

Faculty and Staff Gather on Current Issues



A gathering was held on Wednesday, 14th Falgun 2081, bringing together faculty and staff from Khwopa Engineering College and Khwopa College of Engineering to discuss current issues. The event featured speeches on national and international matters.

The chief guest, federal MP Prem Suwal, highlighted that politics should be a platform for honest and selfless service to the country and its people. He stressed that intellectuals must stand against the exploitation of the public by wealthy individuals who manipulate prices for personal gain. Drawing from history, he noted that yielding to threats has often led to unfavorable outcomes. For instance, in 2007 BS, the king's fear of India allowed the Rana regime to persist, and in 2046 BS, Krishna Prasad Bhattarai's agreement with India granted rights to Nepal's rivers. Suwal criticized the Maoists for destabilizing Nepal through the Citizenship Bill and the MCC (Millennium Challenge Corporation) and accused the ruling parties of failing to demonstrate true patriotism.

He also expressed concern over the U.S. government's actions, such as threatening to seize mines in Ukraine and Palestine, and its withdrawal from international organizations like the World

Bank, the World Environment Organization, and the World Health Organization, calling these moves deeply troubling. Suwal advocated for Bhaktapur Municipality to establish its own university, citing the historical origins of universities in Rome. He argued that denying higher education to the people's children is akin to the oppressive policies of the Rana regime.

Mr. Sunil Prajapati, Mayor of Bhaktapur Municipality and Chairman of the College Management Committee, echoed some of Suwal's concerns. He claimed that those who supported the MCC agreement now regret their decision. Prajapati criticized Nepal's Health Minister for hypocrisy, accusing him of collecting insurance fees from citizens without providing adequate medical coverage. He also condemned the current government for investing public funds in infrastructure projects only to hand them over to private companies, calling such actions anti-people. In contrast, he asserted that a genuine communist government would prioritize justice and fairness for the people. Prajapati reflected on Nepal's history of movements, including the student movement of 2036 BS, the people's movement of 2046 BS, and the anti-regression movement of 2062/63 BS, emphasizing the enduring role of the Nepal Workers and Peasants' Party in guiding the

communist movement.

Other speakers, including Er. Sujan Maka, Principal of Khwopa Engineering College, Er. Sunil Duwal, Principal of Khwopa College of Engineering,

and Mr. Rajan Jati, Head of the Store Section, also shared their views on current national and international issues, contributing to a comprehensive discussion on the challenges facing Nepal and the world.



NEC Conducts Regular Inspection at Khwopa College of Engineering

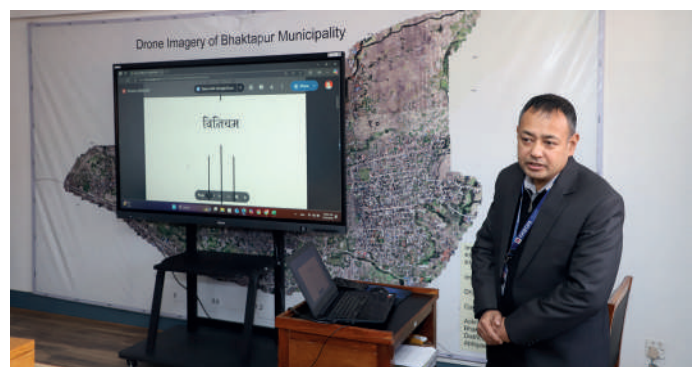


As part of its regular inspection and monitoring activities, the Nepal Engineering Council (NEC) inspected Khwopa College of Engineering (KhCE) on Friday, 9th Falgun, 2081. The inspection was carried out in accordance with the newly introduced Recognition and Monitoring Guidelines for Engineering Colleges, 2024.

The NEC inspection team, led by Er. Shambhu Bahadur Shrestha, along with Ar. Poshan Thapa and Er. Sanjeev Khanal was welcomed by Principal Er. Sunil Duwal. During the visit, Principal Duwal provided a brief overview of KhCE, highlighting its vision, mission, and objectives. He also elaborated on the various academic programs and activities conducted by the college to enhance engineering education and professional development.

Additionally, Mr. Sanjaya Manandhar, Head of Administration, gave a presentation on the six key monitoring criteria set by NEC guidelines. The team engaged in discussions with faculty and staff members and conducted an on-site inspection of the college's laboratories, library, and classrooms.

The inspection aimed to ensure compliance with NEC's updated guidelines, emphasizing academic quality, infrastructure, and faculty standards. NEC's monitoring efforts play a crucial role in maintaining and enhancing the quality of engineering education in Nepal, ensuring that institutions continue to meet national professional and ethical standards.







KhCE Placement Cell Signs MoU with Skill Sewa Pvt. Ltd. for Student Training and Industry Collaboration

The Placement Cell and Department of Civil Engineering at Khwopa College of Engineering (KhCE) signed a Memorandum of Understanding (MoU) with Skill Sewa Pvt. Ltd. on Tuesday, Falgun 6, 2081. The formal signing took place in the presence of Vice Principal Er. Ratna Shova Prajapati. The session was chaired by Prof. Dr. Raju Bhai Tyata, Coordinator of the Placement Cell.

The meeting was attended by key faculty members and industry representatives, including Er. Aanand Kumar Mishra, Head of the Civil Engineering Department, and Er. Bibek Thapa, Senior Lecturer from the same department. Representing Skill Sewa Pvt. Ltd. were Er. Mahesh Timilsina, Co-founder, and Er. Kamal Yadav, Project Manager. Additionally, Mr. Sanjaya Manandhar, Head of Administration, was also present, contributing to the discussions and collaboration efforts.

Skill Sewa Pvt. Ltd. is a one-stop solution for everyday household and maintenance needs, offering professional services at affordable prices. The company specializes in providing trusted electricians, plumbers, and other skilled technicians, ensuring reliable and efficient service delivery. Customers can access services conveniently through a single call or click, making home maintenance hassle-free. Additionally, Skill Sewa offers free home inspections under certain conditions, along with attractive service packages for various repair and maintenance needs. With a commitment to quality and customer satisfaction, Skill Sewa strives to make professional services more accessible and efficient.

The Memorandum of Understanding (MoU) aims to bridge the gap between academic learning and practical application by providing students and faculty with valuable industry exposure. Through this collaboration, students and faculty will gain practical training and work experience in relevant engineering

fields, enhancing their career prospects through real-world exposure. Additionally, the partnership will foster research initiatives between KhCE and Skill Sewa Pvt. Ltd., encouraging joint efforts in advancing knowledge and innovation in the engineering sector.

Under this agreement, Skill Sewa Pvt. Ltd. and KhCE will collaborate on multiple initiatives aimed at enhancing academic and professional development. The partnership includes internships and training, providing students with hands-on experience at Skill Sewa's facilities. Additionally, guest lectures and workshops will be conducted to offer insights into industry trends and practices. Both parties will engage in joint research and development projects, fostering innovation in engineering fields. Curriculum development will also be a key focus, with Skill Sewa providing industry-driven inputs to align academic programs with current professional standards. Furthermore, job placement opportunities will be prioritized for KhCE graduates, ensuring better career prospects. Lastly, technical support will be extended for academic projects and lab activities, with provisions for shared access to research facilities, strengthening the collaboration between academia and industry.

The signing program concluded on a positive note, with all stakeholders expressing enthusiasm for future collaborations. This agreement is expected to significantly enhance student career readiness while strengthening industry-academic ties at Khwopa College of Engineering.



KhCE and Jade Consult Pvt. Ltd. Sign MoU to Foster Collaboration in Research and Development

Khwopa College of Engineering (KhCE) and Jade Consult Pvt. Ltd. have officially signed a Memorandum of Understanding (MoU) to establish a collaborative framework to enhance research, training, and professional development opportunities for students and faculty. The signing ceremony took place on 26th Falgun, 2081 (March 10, 2025), at the offices of Jade Consult Pvt. Ltd. in Babarmahal, Kathmandu.

Jade Consult Pvt. Ltd., established in 2001, is a leading engineering consulting firm specializing in hydropower, transmission lines, roads, water resources, and irrigation. With over two hundred professionals, it offers design, construction supervision, and environmental assessments, expanding its expertise to Nepal, Bhutan, and India. The three-year MoU between Jade and KhCE focuses on academic-industry collaboration, including research, internships, exposure visits, data sharing, and joint projects. This partnership aims to enhance academic and professional growth, foster innovation, and promote sustainable infrastructure development through training programs, technical assistance, and capacity-building initiatives like seminars and workshops.

Er. Rakesh Gwachha, Head of the Electrical Department at KhCE, emphasized the MoU's significance, stating it will provide students and faculty with research opportunities and practical engineering experience. Mr. Binod Ghimire, Sr. General Manager of Jade Consult, expressed enthusiasm for bridging academia and industry to foster innovation and sustainable development in Nepal.

The MoU signing ceremony was attended by key representatives from both institutions. From KhCE, attendees included Er. Rakesh Gwachha (Head of the Department), Mr. Sanjay Manandhar (Head of Administration), Er. Gaurab Tamrakar (Deputy Head of the Department), and Er. Bidur Bhusal (KhCE alumnus). From Jade Consult Pvt. Ltd., attendees included Mr. Binod Ghimire (Senior General Manager), Er. Sumendra Lal Mool (General Manager), and Er. Ganesh Bahadur Shahi (General Manager).



Empowering Future Engineers: A Transformative Career Counseling Initiative

The Student Career Counseling Program - Starter (SCCP-Starter) successfully concluded at Khwopa College of Engineering, providing students with essential professional and technical skills. From February 4 to February 16, the intensive two-week program focused on personality intelligence, research skills, product design, and presentation abilities.

A total of 21 Electrical Engineering students from the 2nd, 3rd, and 4th years participated in the program after an orientation on February 2. The initiative featured expert-led sessions, interactive activities, field visits, and firsthand exercises.

Key sessions included 'Personality Intelligence Through 5Ps' by Er. Ashik Rajbhandari, 'How to Do Research' by Dr. Saurav Man Singh Basnet, and 'The Essence of Product Design' focusing on UX methodologies. Students also engaged in structured writing techniques, infographic design, and real-world problem identification through field visits.

Additionally, the program covered product development and engineering execution, with Dr. Sarbagya Buddhacharya guiding students on IoT-based applications. Communication and branding sessions, such as 'Your Presentation Defines Your Personality' by Mr. Aziz Shrestha and 'Sell Your CV,' equipped students with resume-building and interview preparation skills.

The program concluded with a Theatre and Prototype Demonstration, where students displayed innovative projects. Faculty and industry professionals praised the participants' creativity and technical expertise. Certificates of Participation were awarded to students, while coordinators received Certificates of Appreciation from Prof. Dr. Raju Bhai Tyata.

The SCCP-Starter program significantly enhanced students' soft skills, problem-solving abilities, and career readiness. With the success of this initiative, further advanced modules under SCCP, including Newbie, Rookie, and Prokie, are expected to follow, fostering a culture of innovation and professional excellence at the institution.



Bridging Academia and Industry: Hands-on Training at Khwopa College of Engineering

At Khwopa College of Engineering, students are continuously exposed to real-world applications of cutting-edge technologies. In collaboration with the Center for Capacity Building (CECAB), the institution recently conducted four extensive training programs from Magh 3 to Falgun 10, equipping students with practical skills in Deep Learning and Backend Development. These programs, tailored for different academic levels, aimed to bridge the gap between theoretical knowledge and practical implementation.

One of the flagship programs, "Deep Learning in Python – Phase Two," was designed for the eighth-semester students of the BCT 2077 batch. Led by Machine Learning Engineer Er. Niranjana Bekoju, the course covered crucial topics such as Object Detection using YOLO, Image Segmentation with UNet, Generative Adversarial Networks (GANs), and advanced Natural Language Processing (NLP) models, including Transformers and BERT. Over five months, students engaged in hands-on projects such as Image Segmentation and Machine Translation, gaining valuable insights into solving real-world deep learning challenges. Thirteen students completed the training, enhancing their ability to develop and deploy AI-driven applications.

Similarly, the "Deep Learning in Computer Vision" training targeted sixth-semester students from the BCT 2078 batch. This program provided a deep dive into Computer Vision fundamentals, covering image processing, feature detection, convolutional neural networks (CNNs), and object detection techniques like RCNN and YOLO. The curriculum also included practical applications such as Image Classification and Facial Key Point Detection. Eighteen students participated in the training, developing expertise in designing and implementing AI-powered vision systems.

In addition to deep learning, students were also introduced to backend development through specialized Node.js training programs. The "Backend Software Development with Node.js" course for fourth-semester students of the BCT 2079 batch was conducted by Er. Rohit Prajapati. It covered essential backend technologies such as Node.js, Express.js, asynchronous programming, database management with MongoDB and PostgreSQL, authentication using JWT and OAuth 2.0, and real-time communication with WebSockets. Students also worked on capstone

projects that required them to develop and deploy complete web applications. A total of 26 students benefited from this training, gaining proficiency in backend development.

For third-semester students of the BCT 2080 batch, another "Backend Software Development with Node.js" program was led by Er. Sunil Banmala. The training provided fundamental knowledge of Node.js, API development with Express.js, middleware implementation, database management using Prisma, and real-time communication with Socket.io. Students worked on full-stack web development projects, honing their skills in version control and collaborative development. With 25 students successfully completing the course, the program helped lay a strong foundation in modern web application development.

These training programs at Khwopa College of Engineering have significantly contributed to students' skill development, preparing them for industry-level roles. As the institution continues integrating practical learning with academic coursework, future training programs, and workshops are expected to further enhance students' technical capabilities. With a strong focus on innovation and hands-on experience, Khwopa College of Engineering remains dedicated to shaping the next generation of tech professionals.



SCCP-Starter Program Successfully Concluded

Khwopa College of Engineering successfully concluded its Student Career Counseling Program - Starter (SCCP-Starter) on February 16, 2025. The event featured the Grand Finale: Theatre (Closing) Session, honored by Placement-Cell Coordinator Dr. Raju Bhai Tyata, where six student teams presented innovative projects with working prototypes. Faculty members and industry experts attended the event, which concluded with the distribution of Certificates of Participation to students and Certificates of Appreciation to coordinators.

The SCCP-Starter program focused on essential career skills including personality development, research methodologies, product design, innovation strategies, presentation skills, self-branding, and teamwork across academic years. Advanced modules—SCCP-Newbie, SCCP-Rookie, and SCCP-Prokie—were also introduced for progressive career orientation and professional development.



Khwopa College of Engineering Shines at Code Yatra Hackathon with Two Major Wins

Khwopa College of Engineering (KhCE) made a significant impact at the Code Yatra Hackathon hosted by the Himalayan College of Engineering held from February 9-11, 2025. Two teams from KhCE secured prestigious awards, highlighting the college's excellence in technology and innovation.

Team Snorlax emerged as the Title Winner and received the Most Innovative Project Award for their groundbreaking solution, showcasing technical efficiency and innovation. The team consisted of Adarsha Shrestha, Shailaj Dahal, Manee Das Shrestha, and Basanta Pokharel.

Team Syntax Error won the People's Choice Award for their AI-powered web platform, Revolv, which helps businesses transition into digital space. The team, comprising Jeeni Shrestha, Jenisha Shrestha, Isha Bhattarai, and Sejal Dahal, impressed the audience with their innovative approach.

In addition to the two winning teams, Team Code Crafters and Team Tech Visionaries also showcased impressive technical acumen. Team Code Crafters, composed of Abi Shrestha, Supriya Poudel, Rohan Singh, and Manav Khatiwada, developed an innovative solution that demonstrated strong problem-solving skills. Meanwhile, Team Tech Visionaries, featuring Saral Dulal, Sweta Suwal, Indira Shyama, and Sahil Duwal, contributed to the competition with a well-crafted project that highlighted their technical proficiency and teamwork.



Khwopa College of Engineering Excels at X-Hack 3.0 in Dharan!

In a remarkable display of innovation and technical prowess, Khwopa College of Engineering's Team Rocket secured the prestigious Best AI Implementation Award at the X-Hack 3.0 Hackathon held from 11th to 13th of Magh 2081 at Purwanchal Campus, IOE in Dharan. The team, comprising Adarsha Shrestha, Smriti Adhikari, Binit Shrestha, and Hasana Manandhar, impressed judges with their exceptional problem-solving skills and dedication to AI excellence. Their achievement marks a significant milestone for Khwopa College, showcasing its students' capabilities on a national stage. The hackathon challenged participants to push AI boundaries while solving real-world problems,



and Team Rocket's success highlights the college's growing influence in the tech community.

Final Assessment 2081 Concluded



Most Circulated Subject on Falgun 2081

S.N.	Circulation	Title
1	357	Mathematics
2	135	Engineering Physics
3	132	Engineering Chemistry
4	113	Transportation engineering
5	104	Mathematics Engineering Mathematics
6	85	Hydraulics Civil Engineering
7	74	Mechanics Dynamics and static
8	63	Engineering Mechanics

Final Year Major Project Defense of 2077 Batch Completed.

