Fostering Opportunities: Building a Self-Reliant Nepal through Local Employment

The closing ceremony of the educational exhibition and anniversary celebration of Khwopa Engineering College (KhEC) and Khwopa College of Engineering (KhCE), held as part of the Bhaktapur Festival 2081, concluded on Tuesday, 2nd Poush 2081. The event brought together prominent figures, including Chief Guest Prem Suwal, a Member of Parliament and Secretary of the Nepal Workers and Peasants' Party, who delivered a compelling speech on Nepal's socio-economic challenges and the way forward.

Suwal expressed grave concerns over the state of Nepal's education system, citing the increasing trend of Nepali students opting for foreign institutions. He criticized political interference in university appointments, which he claimed is weakening the academic sector.

Highlighting systemic corruption, Suwal questioned the lack of transparency in disclosing the

assets of 25 high-profile figures, including the Prime Minister. "Despite legal provisions, the assets of corrupt individuals remain untouched," he remarked. He also criticized Nepal's reliance on foreign employment, pointing out that many Nepalis face hardships abroad as laborers, mercenaries, or victims of trafficking. He emphasized the urgency of creating dignified job opportunities within the country.

Suwal called attention to the exploitation of Nepal's natural resources, particularly timber smuggling to India, and stressed the importance of using these resources for the nation's benefit. He warned against the unchecked urbanization of the Kathmandu Valley, describing it as unsustainable and calling for balanced national development to curb migration into the valley.

Reflecting on Nepal's political history, Suwal criticized successive governments for failing to achieve self-reliance. He accused them of prioritizing political gains over national interests, highlighting the need to utilize Nepal's natural and human resources effectively.

The chief guest also criticized the government for its inefficiency in utilizing development funds, revealing that only a fraction of the allocated 352 billion rupees had been spent in five months. He questioned Nepal's dependency on loans from international institutions like the World Bank and IMF

while avoiding infrastructure funding opportunities from initiatives such as China's Belt and Road Initiative.

Suwal also raised issues regarding public land misuse and urged the government to approve the Khwopa University Bill. "Allocating 108 ropanis of land in Sallaghari for Khwopa University would be a significant step toward advancing higher education and boosting Bhaktapur's development as a knowledge hub," he stated.

Bhaktapur Mayor and Chair of the College Management Committee, Sunil Prajapati, presided over the event, expressing gratitude for the community's support during the festival. He emphasized the festival's role in preserving Nepal's rich cultural heritage and providing a platform for academic and artistic collaboration.

The festival, which showcased Nepal's art, culture, and traditions, saw significant community participation. Prajapati highlighted the inclusion of educational exhibitions and competitions, such as 3D modeling, robotics, and software challenges, which added academic value to the event.

Chief Guest Suwal stated, "The allocation of 108 ropanis of land in Sallaghari, Bhaktapur, is being sought for the establishment and operation of Khwopa University. The government must take immediate action to approve the Khwopa University Bill to facilitate its establishment."

He emphasized that passing this bill would be a significant step toward advancing higher education and ensuring Bhaktapur's development as a center of knowledge and science.

Sunil Prajapati, Chairman of the College Management Committee and Mayor of Bhaktapur Municipality presided over the closing ceremony and expressed gratitude to all for their support in completing the five-day Bhaktapur Festival and the educational exhibition organized by Bhaktapur Municipality. He highlighted the diverse programs that took place throughout the festival, emphasizing the significant participation of mayors and deputy mayors from various local levels. He emphasized the pride associated with exhibiting the Kha Pyakhan, which is on the verge of extinction. Prajapati noted that the festival serves as a university for those interested in learning about art, culture, language, literature, and other subjects, providing a valuable opportunity for community engagement and cultural exchange.

Bagmati Provincial Assembly member Srijana Sainju addressed key global and local issues, adding depth and substance to the event. In her speech, Ms. Sainju expressed strong solidarity with the Palestinian people, commending their resilience against American and Israeli aggression. "The Palestinian people are fighting to defend their homeland and are refusing to surrender," she said, emphasizing global support for their cause. She also highlighted China's exemplary achievements in eradicating poverty for 1.4 billion people and its efforts to assist nations through the Belt and Road Initiative (BRI), which leverages modern science and technology to address global hunger.

Shifting focus to Bhaktapur, Sainju praised the city's fifty-year-long campaign to preserve its rich cultural heritage, language, and history. She noted Bhaktapur's dual focus on modernity and antiquity, emphasizing the need for the younger generation to become capable and innovative in an era defined by rapid advancements in artificial intelligence (AI) and technology.

The event also celebrated the academic achievements, with Principal Er. Sujan Maka presented an evaluation of the college's examination results. He proudly announced that Khwopa's performance surpassed the national average, attributing this success to the dedication of its faculty and students. Maka also highlighted the participation of five universities in the educational exhibition, which fostered collaboration and enriched the academic spirit of the event.

Principal Er. Sunil Duwal of Khwopa College of Engineering lauded the educational exhibition for its role in advancing the academic development of both students and faculty. He expressed heartfelt gratitude to everyone who contributed to the successful management of the five-day event.

Other speakers, including Dr. Subegman Bijukchhe, Vice Principal of Khwopa Engineering College; Er. Ratnashova Prajapati, Vice Principal of Khwopa College of Engineering; and Administrative Officer Siddhiram Suwal, shared their reflections and appreciation for the collective efforts that ensured the event's success.

At the closing ceremony, the chief guest distributed trophies, medals, certificates, and cash prizes to the winning teams of various competitions held during the five-day educational exhibition. These included the 3-D Model Competition related to Architecture, the 3-D Model Competition related to Civil Engineering, the Robot Competition, the Software Competition, and the Last Building Standing on Shake Table Competition.

The Government Urged to Approve Khwopa University Operation

Minister of Education, Science, and Technology, Bidya Bhattarai, visited educational institutions and Khwopa Hospital run by Bhaktapur Municipality on 16th Poush, 2081. The minister assessed the physical infrastructure necessary for Khwopa University, as Bhaktapur Municipality advances efforts to establish and operate the proposed university.

Minister Bidya Bhattarai, was warmly received by Nepal Workers and Peasants' Party Secretary and Member of Parliament Prem Suwal, Bhaktapur Municipality Mayor Sunil Prajapati along with Er. Sujan Maka, Principal of Khwopa Engineering College and Er. Sunil Duwal, Principal of Khwopa College of Engineering during her visit to Khwopa on Tuesday.

Following the visits to the educational institutions and infrastructure, a discussion program was held where Minister Bhattarai commended Bhaktapur Municipality's contributions to education, describing them as exemplary. She expressed her positive stance regarding approving the operation of Khwopa University, emphasizing the municipality's significant role in advancing educational opportunities for the community.

Minister Bhattarai acknowledged that discussions on the bill have been ongoing for an extended period and affirmed her agreement on its timely completion.

She informed attendees that the Khwopa University Bill has been forwarded to the Council of Ministers, where it is currently undergoing positive deliberations. The minister also emphasized the need to maintain academic discipline, stating that strikes, lockouts, and unruly behavior in universities are unacceptable. She stressed the importance of controlling apolitical activities within educational institutions to ensure a conducive learning environment.

Speaking at a discussion program, Prem Suwal, Secretary of the Nepal Workers and Peasants' Party, underscored the significance of municipalities operating universities in the 21st century.

Drawing parallels with the city-states of Rome and Athens, Suwal emphasized that municipalities are well-suited to pioneer urban universities, aligning with global trends. He proposed that the establishment of Khwopa University, managed by Bhaktapur Municipality, could serve as a groundbreaking experiment in Nepal.

Suwal critiqued historical and contemporary governance, remarking, "The Rana regime kept Nepal in the dark ages for 104 years. Even in the current republic, it is inappropriate to prohibit municipalities from operating universities."

Highlighting constitutional provisions, Suwal pointed out that education falls under the shared

jurisdiction of federal, provincial, and local levels, making the argument against municipal university operations unfounded. He urged the government to move forward with the approval and implementation of Khwopa University as an innovative step toward enhancing Nepal's education system.

He emphasized the necessity of establishing Khwopa University to offer Nepali students research and education directly tied to productive labor.

He highlighted the historical journey of the Khwopa University Bill, stating, "The bill for Khwopa University was registered in Parliament by the Ministry of Education in 2073 BS, following the promulgation of the Constitution, and was distributed to Members of Parliament. However, it failed to pass due to the government's lack of willpower at the time."

Suwal stressed that the delay in approving the bill undermines the potential for educational reform in Nepal. He urged the current government to expedite the passage of the Khwopa University Bill, asserting, "There should be no delay in passing this bill now."

During a discussion program, Mayor Sunil Prajapati reiterated the municipality's commitment to establishing and operating Khwopa University. He highlighted the steps taken to secure 108 ropanis of land in Sallaghari, Ward No. 1, Bhaktapur Municipality, for the university's development.

"Bhaktapur Municipality has already written to Nepal Trust multiple times to acquire the necessary land for Khwopa University," Mayor Prajapati stated. He further emphasized the urgency of this initiative by personally handing over a formal letter of request to Minister for Education, Science, and Technology Bidya Bhattarai, urging her to take necessary actions to facilitate the land acquisition and expedite the process of passing the Khwopa University Bill 2080.

Mayor Prajapati's appeal reflects the municipality's determination to advance higher education infrastructure and secure parliamentary approval for Khwopa University, marking a significant step toward realizing the vision of a municipally-operated urban university in Nepal.

Minister Bidya Bhattarai, conducted a comprehensive inspection of various educational and health institutions run by Bhaktapur Municipality. These included Khwopa Engineering College, Khwopa College of Engineering, Khwopa Secondary School, Khwopa College, Sharda Campus Secondary School, Khwopa College of Law, Khwopa Hospital, and Khwopa Polytechnic Institute.

During the inspection, Er. Sujan Maka, Principal of Khwopa Engineering College, briefed Minister Bhattarai on the services provided by both engineering colleges, the number of enrolled students, and the available physical infrastructure. Er. Sunil Duwal, Principal of Khwopa College of Engineering, also participated in the discussion, highlighting the colleges' achievements and contributions to technical education in Nepal. The visit provided an opportunity for the Minister to observe firsthand the significant contributions of Bhaktapur Municipality in education and healthcare.

At the program following the inspection, Nepal Workers and Peasants' Party Secretary Prem Suwal presented party publications to Minister Bhattarai, while Mayor Sunil Prajapati offered municipal and college publications as gifts. The heads of all departments and sections from both colleges were in attendance, emphasizing the collaborative effort in showcasing the municipality's achievements.

Meeting with UGC Nepal Chairman Regarding the 4th National Conference on Earthquake Engineering

On Sunday, 28th Poush 2081, a meeting was held with Prof. Dr. Devraj Adhikari, Chairman of the University Grants Commission (UGC) Nepal, to discuss the upcoming 4th National Conference on Earthquake Engineering Nepal, organized by Khwopa College of Engineering and Khwopa Engineering College in association with UGC Nepal. Dr. Subeg Man Bijukchhen, Vice Principal of Khwopa Engineering College, Prof. Dr. Chandra Kiran Kawan of Khwopa College of Engineering, and Mr. Sanjaya Manandhar, Administrative Chief of Khwopa College of Engineering attended the meeting. Mr. Ramesh Prasad Adhikari, Deputy Director of UGC Nepal, was also present.

The discussion primarily focused on the preparations for the 4th National Conference on Earthquake Engineering, scheduled for 4th Magh 2081 at Khwopa College of Engineering, Libali, Bhaktapur.

Other key topics included fostering collaboration for international and national conferences and enhancing the Quality Assurance and Accreditation (QAA) processes of both colleges.

During the meeting, Dr. Bijukchhen presented the college's recent publications to the Chairman.

The meeting offered valuable insights for advancing academic and research activities, paving the way for strengthened institutional growth and collaboration.

Journal of Science and Engineering Achieves C-Grade Recognition by UGC Nepal

Khwopa College of Engineering and Khwopa Engineering College proudly announce that our collaborative publication, the Journal of Science and Engineering, has been recognized as a C-Grade Journal by the University Grants Commission (UGC) Nepal. This achievement marks a significant milestone in the academic journey of both institutions.

The Journal of Science and Engineering serves as a platform for disseminating cutting-edge research and innovative ideas in science and engineering fields. This recognition by UGC Nepal underscores the journal's commitment to maintaining academic standards, promoting quality research, and fostering a culture of inquiry and discovery.

This milestone reflects the dedication and efforts of the faculty, researchers, and contributors who have worked tirelessly to uphold the journal's academic integrity. The recognition also aligns with the institutions' mission to advance academic excellence and contribute meaningfully to the broader scientific and engineering community.

Both colleges express gratitude to the University Grants Commission for the acknowledgment and reaffirm commitment to improving the journal's quality further. The Journal of Science and Engineering aims to inspire more scholars and researchers to contribute to its pages, driving innovation and knowledge sharing in the years to come.

Khwopa College of Engineering and Khwopa Hospital Sign Landmark MoU

Khwopa College of Engineering (KhCE) and Khwopa Hospital (KH) have entered an important partnership with the signing of a Memorandum of Understanding (MoU) on Monday, 29th Poush 2081. This agreement aims to foster collaboration in research, data sharing, and human resource exchange, significantly enhancing the academic, research, and clinical capabilities of both institutions.

Recognizing the pivotal role of research and innovation in institutional growth, the MoU outlines plan for a shared platform to facilitate data and knowledge exchange, joint research initiatives, and resource and expertise sharing. The partnership focuses on three principal areas of collaboration: Research Collaboration, Human Resource Exchange and Service Exchange:

This collaboration promises to provide KhCE students and faculty with enhanced access to health facilities, research opportunities, training, and internships, creating a holistic learning environment. Simultaneously, KH will benefit from innovative engineering solutions to optimize its services and infrastructure.

The agreement was signed by Principal Er. Sunil Duwal, representing Khwopa College of Engineering, and Dr. Majesh Pratap Malla, Medical Director of Khwopa Hospital. The signing ceremony was attended by Vice Principal Ratna Shova Prajapati, along with department heads, section heads, and Mr. Bishwojit Prajapati, Hospital Manager of Khwopa Hospital.

Officials from both institutions expressed their enthusiasm for this strategic partnership, emphasizing its potential to advance education, healthcare, and research for the greater benefit of the community.

KhCE Signs MoU with Sciever Inc Private Limited and Center for Capacity Building (CECAB) to Strengthen Academic-Industry Collaboration

The Computer and Electronics Engineering Department at Khwopa College of Engineering (KhCE) signed a Memorandum of Understanding (MoU) with Sciever Inc. Private Limited and the Center for Capacity Building (CECAB) on Monday, 29th Poush 2081. This collaboration aims to bridge the gap between academia and industry, fostering innovation and the practical application of knowledge.

The MoU focuses on enhancing academic-industry collaboration by enabling KhCE students and staff to work with Sciever Inc's and CECAB's team on capacity-building projects using cutting-edge technologies, frameworks, and processes. It establishes KhCE as a resource and development center, offering career counseling, management consulting, and support for innovative research initiatives. Additionally, the partnership will organize skill development programs such as training sessions, workshops, seminars, and conferences to strengthen technical and interpersonal skills while providing internship opportunities.

The agreement also includes provisions for Sciever Inc. and CECAB to oversee student-led projects aligned with shared interests, supporting research-focused objectives. Rigorous tests and analyses will be conducted to transform these projects into market-ready products. The collaboration will involve brainstorming sessions with students, staff, and experts to identify key requirements, solutions, and potential risks in project implementation. Furthermore, the initiative seeks to cultivate research interest among students by encouraging them to address challenging problems through directed efforts.

The MoU was signed by Er. Dinesh Gothe, Head of the Computer and Electronics Engineering Department at KhCE, and Er. Ashik Rajbhandari, Managing Director and Co-founder of Sciever Inc and Executive Director and Founder of CECAB. Er. Sunil Duwal, Principal of Khwopa College of Engineering, and Mr. Sanjaya Manandhar, Head of the Administration Section at KhCE were present at the signing ceremony. Er. Duwal said that through this MoU, Khwopa College of Engineering reaffirms its commitment to fostering innovation and bridging the academic-industry gap. This collaboration will not only provide our students with invaluable exposure to real-world applications but also strengthen our institution's role as a hub for research and development," .

Book Talk Featuring Sudheer Sharma Held at Khwopa

On Sunday, 28th Poush 2081, Khwopa College of Engineering (KhCE) and Khwopa Engineering College (KhEC), in collaboration with the Library Section and Khwopa Literature Circle, successfully hosted a Book Talk featuring renowned author and journalist Sudheer Sharma.

The event focused on two of Sharma's acclaimed works: "Bhikshu, Byapar ra Bidroha" and "Himalpari ko Huri." The discussion provided a platform for exploring the themes, narratives, and socio-political insights presented in these books, fostering an engaging exchange of ideas between the author and attendees.

Er. Sujan Maka, Principal of Khwopa Engineering College, emphasized the profound significance of Sudheer Sharma's books for engineering students. He elaborated on how the narratives and socio-political insights presented in the books extend beyond the conventional technical education framework. By bridging the gap between technical knowledge and societal awareness, these works encourage students to view their engineering education through a broader lens—one that integrates their technical expertise with an understanding of societal dynamics, cultural complexities, and the role of innovation in addressing real-world challenges. He further remarked that the books inspire future engineers to think critically about their contributions to society, urging them to design solutions that are not only technically sound but also socially responsible.

Er. Sunil Duwal, Principal of Khwopa College of Engineering, shared his admiration for the books, commending their depth, research, and relevance in the context of Nepal's societal and political landscape. However, he also proposed incorporating additional details into the narratives to make the works even more comprehensive. He suggested that expanding on certain aspects, such as the historical contexts, regional disparities, and long-term impacts of the issues discussed, would enhance their ability to engage readers and provide a more robust understanding of the themes. By doing so, the books could serve as even more effective tools for inspiring students to think innovatively and critically about societal challenges.

The books were critically reviewed by Aanand Kumar Mishra, Head of the Civil Engineering Department at KhCE, and faculty member Nirmal Kafle, who analyzed their themes and literary significance. Students Ritik Ghimire and Jaydev Tripathi shared their perspectives on how the books broadened their understanding of societal challenges and inspired critical thinking.

Author Sudheer Sharma shared his journey and the inspirations behind his writings, aiming to shed light on pressing societal issues and encourage thoughtful dialogue. He expressed gratitude to the faculty, students, and organizers for their enthusiastic engagement and for creating a platform that connects literature and intellectual discourse.

Jastara Koju, Head of the Library Section, opened the program with a warm welcome and expressed appreciation for the active participation of all attendees. Shreni Dahal also contributed to the event with her insights.

The program also featured creative contributions, with Manav Aryal and Arbin Shrestha with poems and song.

This Book Talk underscored the commitment of KhCE and KhEC to fostering a culture of literary engagement and critical thinking within the academic community. The collaboration with the Khwopa Literature Circle and Library Section highlighted the institutions' dedication to promoting intellectual discourse among students and faculty.

The event was well-received, drawing participants from diverse academic and literary backgrounds, making it a meaningful and enriching experience for all.

Talk Program on Disaster Management Challenges and Solutions Held During Bhaktapur Festival 2081

In celebration of the Bhaktapur Festival 2081, the 23rd anniversary of Khwopa Engineering College, and the 16th anniversary of Khwopa College of Engineering, a talk program titled "Disaster Management Challenges and Solutions" was successfully organized on Monday, 1st Poush 2081.

The program brought together a distinguished panel of experts, including Er. Padma Sundar Joshi, Vice President of Madan Bhandari University of Science and Technology; Dr. Youb Raj Poudyal, Project Director of NUGIP, Ministry of Urban Development; and Dr. Deepak Bikram Thapa Chhetri, Director of Engineering at Kantipur City College. Their collective expertise provided valuable insights into the challenges and solutions in disaster management, particularly in the context of Nepal.

The session was skillfully moderated by Dr. Manjip Shakya, Head of the Postgraduate Department of Earthquake Engineering at Khwopa Engineering College, who guided the discussions towards practical strategies and innovative approaches to disaster risk reduction and management.

This program underscored the commitment of Khwopa Engineering College and Khwopa College of Engineering to fostering meaningful dialogue on critical issues, contributing to the broader understanding of disaster management and its implications for sustainable development.

Talk Program on Heritage Conservation Held During Bhaktapur Festival 2081

In celebration of the Bhaktapur Festival 2081, the 23rd anniversary of Khwopa Engineering College, and the 16th anniversary of Khwopa College of Engineering, a talk program titled "Heritage Conservation: Past & Future" was successfully organized on Monday, 1st Poush 2081. The event highlighted the importance of preserving Nepal's cultural heritage while addressing challenges and opportunities for the future.

The program featured a distinguished panel of experts, including Prof. Dr. Purushottam Lochan Shrestha, a renowned historian; Bhim Nepal, a prominent archaeologist; Prof. Dr. Madan Kumar Rimal, an esteemed archaeologist; and Saubhagya Pradhananga, the Director General of the Department of Archaeology (DOA). Each panelist brought invaluable insights and expertise to the discussion, enriching the dialogue on heritage conservation.

The session was moderated by Ar. Rabina Shilpakar, Lecturer at Khwopa Engineering College, who steered the discussion towards understanding historical perspectives, current practices, and innovative approaches to heritage conservation.

This event underscored the commitment of Khwopa Engineering College and Khwopa College of Engineering to raise awareness about preserving Nepal's rich cultural legacy. It also provided valuable insights into integrating modern methodologies with traditional practices for sustainable heritage conservation.

Empowering Future Innovators: AI Enabler Program 2024 at Khwopa College of Engineering

Khwopa College of Engineering, as the Venue Partner, and Fusemachines, as the Host, jointly organized the AI Enabler Program on December 26, 2024, at Hall 1, Block A. The event brought together Computer Engineering students from BCT I/II, BCT II/II, and BCT III/II, offering an insightful day filled with learning and exploration of cutting-edge AI technologies.

The program featured workshops on Generative AI, Airlines Analysis, and Traffic Analysis, which provided hands-on experience and practical knowledge to students. With a well-structured agenda, the sessions emphasized the transformative role of Artificial Intelligence in shaping industries and solving real-world problems. The workshops empowered students to use tools like NumPy, Pandas, and Generative AI techniques, enabling them to build confidence in applying these concepts to diverse domains.

The event concluded with a closing ceremony in which Er. Dinesh Gothe, Head of the Computer and Electronics Department, expressed his gratitude and provided a token of love to the esteemed resource persons, Ankur Baral and Ayushman Shrestha, for their invaluable contributions to the program.

The AI Enabler Program successfully inspired and equipped the next generation of AI innovators, reinforcing Khwopa College of Engineering's commitment to fostering technological education and innovation. This collaboration with Fusemachines marks a significant milestone in advancing AI literacy and practical skills among engineering students.

Khwopa College of Engineering Hosts Inaugural Student Career Counseling Program - Newbie (SCCP-Newbie)

The Khwopa College of Engineering hosted its inaugural Student Career Counseling Program-Newbie (SCCP-Newbie) from 24th November to 15th December 2024, a two-week initiative aimed at equipping students with essential career skills, technical expertise, and personal development strategies. Held at Seminar Hall-4, the program featured daily 1.5-hour interactive sessions led by expert resource persons, offering students a dynamic learning experience to prepare for academic and professional challenges.

The program began with Dr. Shankar Prasad Rajbhandari's session on personality intelligence, introducing the WINGS framework to enhance emotional intelligence and self-awareness. Subsequent sessions included Ashik Rajbhandari's workshop on professional writing, emphasizing clarity and purpose, and Rajish Shrestha's hands-on training in graphic design using Canva. Dr. Ramesh Marikhu guided participants through the DIKW framework for creating insightful infographics, while Aziz Shrestha's engaging workshops on presentation skills and personal branding taught students to present themselves effectively in professional contexts. Prina Bajracharya introduced students to user-centered product design using Figma, fostering creativity and technical expertise. Ankit Dangol's session on web development provided a strong foundation in HTML, CSS, and JavaScript, enabling students to create their first "Hello World" webpage.

The program concluded with a field visit across various departments of the college, offering real-world insights into the application of software technologies in sectors like health, education, ICT, and governance. Students gained valuable exposure to problem-solving and innovation in practice.

The SCCP-Newbie program achieved significant outcomes, including improved soft and hard skills, confidence in professional interactions, and hands-on experience with design and development tools. It also fostered collaboration among students from different academic years and strengthened their understanding of technology's role in addressing real-world challenges.

Building on this success, Khwopa College of Engineering plans to introduce advanced modules under the Student Career Counseling Program, such as Rookie and Prokie stages, to further enhance students' professional development. The college remains committed to fostering innovation and preparing students for success in an ever-evolving professional landscape

Khwopa College of Engineering Highlights Academia's Role at InnoTalk #13

The National Innovation Digital Network (NIDN), in collaboration with the Nepal Academy of Science and Technology (NAST), Robotics Association of Nepal (RAN), and NAXA, successfully hosted InnoTalk #13 on January 7, 2024, at the Confederation of Nepalese Industries (CNI), Trade Tower, Thapathali. The event, themed "National Innovation Index for National Prosperity", served as a platform for fostering innovation and dialogue among national and international innovators.

The program began with registration and a warm welcome led by Emcee Rishav Raj, Manager at RAN. Ms. Punam Sherpa, Business Development Officer at NAXA, presented on the ongoing efforts of NIDN in mapping and promoting innovations in Nepal. Dr. Iswor Bajracharya, Chief of the Faculty of Technology at NAST and Coordinator of NIDN delivered the opening remarks, emphasizing NAST's preparation for a National Innovation Index to support policy formulation and innovation development.

The event featured insightful speeches from distinguished speakers, including Prof. Dr. Sangeeta Singh, former member of the National Planning Commission (NPC), and Mr. Indu Bikram Joshi, former Joint Secretary of the Government of Nepal.

Er. Naresh Khatri, Deputy Head of the Department of Computer and Electronics Engineering at Khwopa College of Engineering, represented academia, highlighting its pivotal role in driving innovation and nurturing creative minds for national progress.

Special guest Prof. Dr. Shiva Raj Adhikari, Vice Chairman of NPC, provided valuable perspectives on integrating innovation into national planning. The program concluded with closing remarks by Dr. Ghanashyam Ojha, Director General of CNI, who appreciated the collaborative efforts to promote innovation in Nepal.

Khwopa College of Engineering Shines as AI Track Winner at Semicolon Hackathon

Khwopa College of Engineering (KhCE) achieved a victory at the Semicolon Hackathon, held from January 3 to 5. The event featured 28 teams from Nepal and India.

Team Fullstop from KhCE—Abi Shrestha, Sushila Shrestha, Unique Shrestha, Sweta Suwal, and Prashamsa Karki—won the AI Track for their project of a voice assistant that makes government service information easy to access, using the power of AI.

This achievement highlights KhCE's dedication to developing impactful and practical tech solutions.

Last Building Standing on Shake Table Competition Concluded

On the occasion of the Bhaktapur Mahotsav 2081, the 23rd Anniversary of Khwopa Engineering College (KhEC), and the 16th Anniversary of Khwopa College of Engineering (KhCE), the Civil Engineering Department of both colleges jointly organized the Last Building Standing on Shake Table Competition.

This competition emphasized innovative construction techniques while testing the stability and resilience of buildings under simulated seismic conditions. Participating groups, comprising 3 to 4 students each, showcased their creative and technical expertise by constructing earthquake-resistant building models.

The event was successfully conducted on 1 Poush and the prizes were distributed on 2 Poush, Tuesday, during the colleges' anniversary celebrations.

This platform enabled students to demonstrate their engineering skills, creativity, and technical understanding, while also fostering innovative construction techniques and testing the stability and resilience of buildings under simulated seismic conditions.

Last Building Standing on the Shake Table Competition

S.N	Name	College Name	Position
1	Anish Lageju	Khwopa College of Engineering	Winner
2	Neha Dhukhwa		Winner
3	Nischal Suwal		Winner
4	Prabin Sunuwar		Winner
5	Trilen shakya	Khwopa College of Engineering	First Runner Up
6	Sazzal Shakya		First Runner Up
7	Sahil Kayastha		First Runner Up
8	Roman Sharma		First Runner Up
9	Aashish Pandey	Khwopa College of Engineering	Second Runner Up
10	Dhiraj Bhatt		Second Runner Up
11	Diwas Bam		Second Runner Up
12	Manoj Dumrel		Second Runner Up

KhCE Delegation Congratulates Newly Appointed Dean of IOE, TU

On 7th Poush, 2081, a delegation from Khwopa College of Engineering (KhCE) visited the Institute of Engineering (IOE), Tribhuvan University (TU), to extend warm congratulations to the newly appointed Dean, Prof. Dr. Sushil B. Bajracharya. The KhCE team included Principal Er. Sunil Duwal, Vice Principal Er. Ratna Shova Prajapati, and Mr. Sanjaya Manandhar, Head of the Administration Section.

During the meeting, the KhCE representatives expressed their best wishes to Prof. Dr. Bajracharya for his tenure as Dean, emphasizing a shared commitment to advancing engineering education and fostering collaboration between KhCE and IOE. The team also highlighted KhCE's dedication to academic excellence and community-focused education, expressing enthusiasm for future joint initiatives to promote research, innovation, and professional development in engineering.

The meeting underscored the strong ties between KhCE and IOE and reaffirmed commitment to collectively enhancing the quality of engineering education in Nepal.
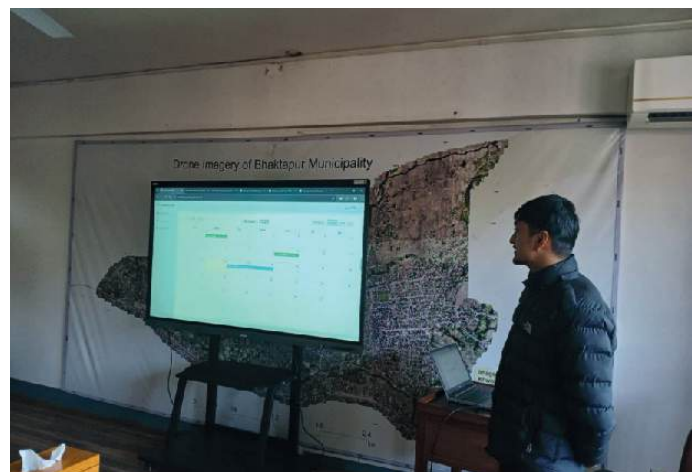

KhCE Student Develops Event Management System for Efficient Hall Booking

Arun Kumar Shrestha (KCE077BCT010), a dedicated student at Khwopa College of Engineering (KhCE), has successfully developed an innovative Event Management System to streamline the process of booking halls within the college. This system provides an efficient platform for Heads of Departments (HoDs) and Sections to submit hall booking requests for various academic and administrative events.

The demonstration of the system was held on 13th January 2025 in the presence of KhCE Principal Er. Sunil Duwal, along with department heads and section heads. During the demo, Arun showcased the system's user-friendly interface, highlighting its ability to eliminate overlapping bookings, reduce manual record-keeping, and provide real-time notifications for all stakeholders.

Principal Er. Sunil Duwal praised Arun's efforts and expressed his appreciation for the innovative solution. He acknowledged the potential of the Event Management System to enhance the efficiency of hall management and emphasized the importance of implementing such systems in the college's administrative operations.

This achievement reflects the practical problem-solving skills of KhCE students and the institution's commitment to fostering innovation.

Enhancing the collaboration with a distinguished Professor from the University of South-Eastern Norway

On 5th December 2024, Professor Sambeet Mishra, Department of Electrical, IT, Cybernetics from the University of South-Eastern Norway (USN) paid a visit to Khwopa College of Engineering upon the cordial invitation along with a few of his Ph.D. scholars and one of the alumni of Electrical Engineering Department, Tajana Nepal (BEL 2069 Batch) who has been recently pursuing her PhD from the same University. Er. Rakesh Gwachha, Head of Department, Electrical Engineering Department warm welcomed the distinguished guest in the presence of Er. Sunil Duwal, Principal, Khwopa College of Engineering. The major concern of the visit focused on initiating and enhancing academic collaboration between Khwopa College of Engineering and the Department of Electrical Engineering, USN. The session was an enriching experience for all attendees, as the professor shared valuable insights into broader scopes of Electrical Engineering, IT Cybernetics,

Power System Planning, Energy Markets, and Integrated Energy Systems, sparking engaging discussions and thought-provoking ideas. The major highlights were in-depth discussions on initiating collaboration through non-credit courses related to Power System Planning to the fourth-year students of Electrical Engineering and engaging collaborative research with the graduate and post-graduate projects and students to the possible extent.

The meeting concluded with a brief exchange of information about the Khwopa College of Engineering by Sunil Duwal. He extended gratitude to the Professor for the time at KhCE to share his knowledge and experience. This meeting develops a moment to pursue further collaborations and continue the journey of learning and innovation in the academic world.

Most Circulated Subject on Poush 2081

S.N.	Circulation	Title
1	469	Mathematics
2	193	Engineering Chemistry
3	180	Engineering Physics
4	158	Transportation Engineering
5	102	Engineering Mechanics
6	85	Irrigation Engineering
7	75	Steel structures
8	72	Construction Management

Micro hydropower and Solar Power Field Visit

The 077 batch (IV/II) of the Electrical Engineering Department recently embarked on a field visit under the guidance of Er. Gaurab Tamrakar, Er. Tanus Bikram Malla, Mr. Aayush Bhatta, and Er. Sandeep Timsina. The three-day excursion included trips to the 27 kW Syaurebhumi Microhydro Power Plant and the 25 MW Nuwakot Solar Power Station, providing students with an invaluable hands-on learning experience.

During the visit, students studied the complete configuration of a micro hydro power plant, including its penstock, turbine, generation, and distribution systems. Two practicals were conducted, focusing on flow and head measurements. Additionally, the visit to the Nuwakot Solar Power Station offered insights into Nepal's largest solar power plant, where students engaged in discussions with site engineers. This initiative not only reinforced theoretical knowledge but also demonstrated the integration of renewable energy into Nepal's national grid. The Syaurebhumi plant, a pioneering project, interconnects with the grid and exports 178,245 kWh annually.

Khwopa College of Engineering Shines at Dristi 3.0 Hackathon

Students from Khwopa College of Engineering (KhCE) have achieved remarkable success by securing third place in the Dristi 3.0 Hackathon, organized by the KEC IT Club from January 9 to 11, 2025. The team developed an AI-powered learning platform combining interactive tools with smart exam proctoring, offering innovative solutions to modern education challenges.

Their project was highly praised for its practicality, innovation, and potential impact. The dedicated team—Binit Shrestha, Hasana Manandhar, Basanta Pokharel, and Adarsha Shrestha—showcased exceptional teamwork and problem-solving skills, reflecting KhCE's commitment to fostering creativity and excellence.

Bridging Knowledge through Hydropower Field Visits for BEL2078 Batch

The Department of Electrical Engineering at Khwopa College of Engineering organized educational tours in December 2081 for the 6th-semester BEL 2078 batch to three notable hydropower plants: Upper Trisuli 3A (60 MW), Lower Marshyangdi (69 MW), and Seti Hydropower Plant (1.5 MW). These visits provided students with practical insights into hydropower generation, including turbine operations, switchyards, control systems, and civil structures like dams and penstock tunnels.

At Upper Trisuli 3A, students explored the intricacies of a 60 MW plant powered by the Trisuli River, observing vertical shaft Francis turbines, excitation systems, switchyards, and civil structures such as the dam, desanding basin, and penstock tunnels. At the 69 MW Marsyangdi Hydropower Plant in Tanahu, students examined the powerhouse's operations, electromechanical components, and the associated dam site. The Seti Hydropower Plant, a 1.5 MW run-of-river project in Pokhara, offered insights into horizontal shaft turbines, canal systems, and the integration of irrigation and electricity generation.

The students gained valuable knowledge through technical orientations by plant engineers, who detailed components such as GIS/AIS switchgear and efficient water diversion techniques. These visits included on-site exploration of powerhouses, switchyards, dam sites, and control rooms, with engineers providing real-world insights into turbine efficiency, maintenance protocols, and grid synchronization challenges.

Interactive Q & A sessions fostered a deeper understanding of hydropower systems and their role in sustainable energy. The hands-on experience allowed the students to bridge the gap between theoretical knowledge and practical application.