



An Undertaking of Bhaktapur Municipality

Khwopa Engineering College

Affiliated to Purbanchal University

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Scholarship Distribution Program at Khwopa Engineering College



Mr. Sunil Prajapati, Mayor, Bhaktapur Municipality, along with Mr. Rabindra Jyakhwo, Chairman, Bhaktapur Municipality Ward 9 and Principals of both colleges

13th Poush

In a program held on Poush 13th, 2080, Friday, Khwopa Engineering College distributed scholarships totaling approximately 34 lakh rupees to 71 deserving students from the 2076 and 2077 batches. The ceremony, graced by Chief Guest Sunil Prajapati, Mayor of Bhaktapur Municipality and Chairman of the College Management Committee marked a significant step towards supporting academic excellence.

The scholarships, categorized as 25%, 50%, and 100%, aim to alleviate the financial burden on students and promote

higher education accessibility. Mayor Prajapati, in his address, highlighted the long standing commitment of Bhaktapur Municipality to education. He emphasized the municipality's historical dedication, mentioning that the then Bhaktapur Nagar Panchayat provided free education up to class seven when the government's provision was only up to class five.

Mayor Prajapati proudly stated that the current representatives are following the footsteps of their elders, focusing on providing quality education at an affordable fee, even for individuals from common strata. The municipality,

through its academic institutions, allocates 4-5 crores annually as scholarships and extends support further by providing education loans up to 5 lakhs to students.

Moreover, Bhaktapur Municipality is actively involved in supporting students pursuing various academic programs, particularly in arts and humanities. The commitment to education was evident in the program, where Mayor Prajapati, as Chief Guest, distributed scholarships to the students, encouraging them to excel in their academic pursuits.

The event also featured congratulatory messages from Er. Sujan Maka, Principal of Khwopa Engineering College, and Er. Sunil Duwal, Principal of Khwopa College of Engineering. Both principal expressed their heartfelt

congratulations to the deserving students and offered best wishes for their continued success in their academic journeys.



Entrepreneurial Boost for BE Graduates at Khwopa Engineering College

13th Poush

In a step towards facilitating innovation and entrepreneurship, Khwopa Engineering College has allocated a seed fund of Rs. 2.25 lakhs to a group of four graduates who recently completed their BE Electronics and Communication. The initiative aims to support and catalyze their entrepreneurial journey by providing financial assistance and necessary resources. The cheque, symbolizing the seed money, was formally handed over by Mayor Sunil Prajapati, the Mayor of Bhaktapur Municipality and Chairman of the College Management Committee. Mayor Prajapati not only congratulated the graduates and extended his heartfelt best wishes for their success in the entrepreneurial efforts.

The group of graduates expressed their gratitude for the support received. With plans to manufacture various electronic products, the seed money serves as a crucial catalyst for their innovative endeavors. In addition to the financial aid, the college has provided them with a dedicated space on campus and other logistical support to facilitate their entrepreneurial activities.

Rabindra Jhyakho, Ward Chairman

of Bhaktapur Municipality – 09 and a member of the College Management Committee, shared motivational insights with the aspiring entrepreneurs. He encouraged them to embrace the challenges of entrepreneurship and strive for success in their noble pursuit.

Principals of Khwopa Engineering College (KhEC) and Khwopa College of Engineering (KhCE) reiterated their commitment to providing all necessary support to the awarded graduates. This collaborative effort signifies the college's dedication to nurturing not only academic excellence but also innovation and entrepreneurship among its students.

This venture marks the college's first step towards actively promoting and supporting entrepreneurship, reflecting a noble pursuit of empowering students to translate their knowledge into tangible contributions to society. The entire college community looks forward to witnessing the success and impact of this entrepreneurial endeavor. The members of the group receiving seed money were as follows:

- 1) Anup Shrestha
- 2) Gaurab Tamakhu
- 3) Prasanna Dahal
- 4) Subin Shrestha

Architecture Students Successfully Accomplished Educational Excursion

17th Poush

Architecture students from the 2079 batch recently completed a 5-day educational excursion as part of their course in History of Nepalese Architecture. The excursion took place from 13th to 17th Poush, 2080, and was led by Senior Lecturer Ar. Archana Bade Shrestha and Ar. Rupak Dangol.

The students visited Gurung settlement at Ghandruk, Newari settlement

at Bandipur and Tharu settlement at Megghauli. The excursion also included visits to cultural museums at Ghandruk as well as at Megghauli. The expedition offered students with significant hands-on learning experience in Nepalese architecture, as well as the opportunity to observe firsthand the society, space, construction processes and materials used in the local community.



Khwopa Engineering College and Khwopa College of Engineering Release JScE Vol. 10 (2023) on NepJOL

17th Poush

Khwopa Engineering College and Khwopa College of Engineering proudly announce the publication of Volume 10 (2023) of the Journal of Science and Engineering (JScE) on Nepal Journals Online (NepJOL). This issue features diverse research papers from leading professionals, academics, and research organizations in the science and engineering fields.

The volume covers a broad spectrum of topics, including Arjun Kumar Gaire's exploration of the Skew Lomax Distribution, Sunil Kumar Shrestha's comparison of optical OFDM techniques, and a comprehensive study on the Site-Specific Non-Linear Ground Response Analysis of the newly constructed Dharahara Tower.

Yogesh Bajracharya, Pujan Adhikari, and Bishnu Prasad Sharma delve into factors influencing the adoption of induction stoves in Bhaktapur, offering insights into local consumer preferences. Rakesh Gwachha and team present a case study on Distribution Network Reconfiguration Using Genetic Algorithm for Loss Reduction in Bhaktapur's Katunje

Feeder, emphasizing practical applications in electrical networks.

Prateek Pradhan and Bhim Kumar Dahal's Landslide Susceptibility Analysis of Jugal Rural Municipality, Sindhupalchok, addresses the region's geological vulnerabilities.

Managed by Tribhuvan University Central Library and established by INASP in 2007, NepJOL is a crucial platform for scholarly knowledge dissemination. Nepal Journals Online (NepJOL) further extends the reach of these publications.

Journal of Science and Engineering can be accessed online from the following link.

<https://www.nepjol.info/index.php/jsce#:~:text=Nepal%20Journals%20Online,eISSN%202645%2D8519>.

Khwopa Engineering College and Khwopa College of Engineering express gratitude to contributors, reviewers, and readers for their dedication to advancing scientific knowledge and engineering innovation in Nepal.

Khwopa Engineering College Dominates in 2nd Inter-Archi Basketball Competition

25th Poush

Khwopa Engineering College's B. Architecture teams emerged victorious at the recently concluded 2nd Inter-Archi Basketball Competition hosted at IOE, Pulchowk Campus, setting the stage for the upcoming 15th National ASA Exhibition.

In a display of exceptional talent and teamwork, the Boys' Team from Khwopa Engineering College secured the top spot, claiming the 1st position amidst fierce competition. The team, comprising of players Mr. Swapnil Disti, Mr. Samar Jati, Mr. Rohan Prajapati, Mr. Aayush Singh, Mr. Kushal Shrestha, Rohan Nagarkoti, Mr. Rujen Maharjan, Mr. Kejan Maharjan, Mr. Trishal Balaya Shrestha, and Mr. Surendra Prasad Simkhada, showcased their prowess and determination throughout the tournament.

Equally commendable was the

performance of the Girls' Team, which earned the title of First Runner-Up. The team, comprised of athletes Ms. Smarika Thapa, Ms. Krisha Thapa, Ms. Krishma Duwal, Ms. Arati Singh, Ms. Lasata Bajracharya, Ms. Aliza Shrestha, Ms. Sneha Maharjan, Ms. Prashamsha Prajapati, Ms. Swostika Karmacharya, and Ms. Kritika Suwal, demonstrated outstanding skills on the basketball court.

Mr. Swapnil Disti, was recognized as the Man of the Match, for highlighting his exceptional individual skill and sportsmanship.

Acknowledging the crucial role of mentorship, the team extend their heartfelt appreciation to the team coach, Mr. Shyam Krishna Basukala.



Khwoopa Engineering College Dominates in 2nd Inter-Archi Basketball Competition

25th Poush

In an effort to contribute to the preparation of a Detailed Project Report (DPR) for a dilapidated and damaged Primary School, a team consisting of two Civil Engineers (Er. Sasin Prajapati and Er. Aashish Lageju) and an Architect (Ar. Rabita Shilpakar) from the Technical Section undertook a visit to Surumkhim village, located in Sidhingwa Rural Municipality, ward no 7, Taplejung from Poush 17th to Poush 24th, 2080. Over the course of an 8-day trip, the team engaged in documentation and survey activities for three days, encompassing a comprehensive study of both the school area and the entire village. Utilizing tools such as Visual

concurrently conducted a broader study on the socio-economic aspects of the community and the prevalent construction methodologies in the region. Interactions with village officials, including Mr. Laxman Tamang (Ward Chairman of Sidhingwa Rural Municipality Ward 7), Mr. Jairub Limbu (Chairman of the School Management Committee), Mr. Jaharman Tamang (school principal), and other school staff, not only delved into the existing condition of the school but also explored the overall educational landscape with the rural municipal authority. Additionally, the team participated in a community interaction program organized by the School Committee, during which Er. Sasin



Investigation, Questionnaire surveys, Total Station, DGPS, and Drone Survey, they aimed to gather essential data.

While the primary focus was on preparing the DPR for the school, the team

Prajapati, head of the Technical section, shed light on Bhaktapur Municipality's efforts to enhance sectors like education and health. Discussions also touched upon the potential positive impact of public participation in social and construction

activities for the development of Bhaktapur city.

A site survey in the village uncovered several challenges, including a disorganized road map to the village, a lack of connection with the Nepal Electricity Authority necessitating reliance on renewable energy sources, primitive health facilities, a low socio-economic status, dependence on agriculture for livelihood, and a disconnect with the market, aside from modern amenities.

This hands-on experience provided the team with insights into the architectural practices within the village, where indigenous construction technology was employed. Villagers constructed two-story houses and school buildings using locally available materials such as stone, mud, and wood (Utis and Katus) for wall construction, complemented by thatched roofs in some of the older structures. CGI roofs, known for their low maintenance costs and easy installation, were also prevalent. The recent adoption

of Reinforced Cement Concrete (RCC) was observed in new houses, with semi-basement floors featuring cast columns and ground floors constructed using locally sourced wood.

Beyond the technical aspects, the team immersed themselves in village life, witnessing firsthand the commendable efforts of students striving for education despite challenging family backgrounds dependent on agriculture. The Surumkhim experience transcended a mere engineering project; it became a poignant testament to resilience and determination within a community striving for progress.



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