



An Undertaking of Bhaktapur Municipality

Khwopa Engineering College

Affiliated to Purbanchal University

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ISSUE 23

NEWSLETTER

Welcome and Orientation for New Students at Khwopa



Mr. Prem Suwal, the Secretary of NWPP and Federal Parliament Member; Mr. Surendra Raj Gosai, Provincial Assembly Member; Mr. Sunil Prajapati, Mayor of Bhaktapur Municipality; Ar. Rajani Joshi, Deputy Mayor of Bhaktapur Municipality; along with the principals of both colleges.

4th Magh

On Magh 4th, 2080, Khwopa Engineering College and Khwopa College

orientation program for newly admitted students. Mr. Prem Suwal, the Secretary of the Nepal Workers and Peasants' Party and Federal Parliament Member emphasized that the technical education provided by these colleges aims not only to make the youth self-reliant but also to contribute



of Engineering, both run by Bhaktapur Municipality, organized a welcome and

to the country's economic development. He highlighted colleges' goal of playing a significant role in national development through political leadership and visionary thinking. Mr. Suwal expressed concerns about the agreement that allows the Indian Embassy in Nepal to carry out projects up to 200 million rupees, deeming it against Nepal's sovereignty and independence. He insisted on the immediate cancellation of the agreement.

Mr. Suwal condemned India for encroaching on Nepal's territory. He advocated for the immediate termination of the agreement to export 10,000 megawatts of electricity to India. He asserted that canceling various treaties and agreements with India, covering rivers like Kosi, Gandaki, Mahakali, Karnali, Mugu Karnali, Arun, and West Seti, would lead to sufficient hydropower production for domestic purposes, industries, factories, and agriculture, making electricity available at a lower cost for the Nepali people.

Expressing concern about the threat of a third world war, Mr. Suwal condemned American imperialism and Israeli fascism, emphasizing the need to stop the genocide and land occupation against the Palestinian people.

The Chairman of the program and Mayor of Bhaktapur Municipality, Mr. Sunil Prajapati, highlighted the crucial role skilled professionals' play in the country's

development. He expressed concern over the increasing trend of Nepali intellectual human resources migrating abroad and emphasized the importance of dedication to the country for sustainable development.

In the program, Bagmati Provincial Assembly member Mr. Surendra Raj Gosain



emphasized the need for well-trained leaders to provide proper leadership to the country. He criticized political parties for treating politics as a means of earning rather than serving the people.

Bhaktapur Municipality's Deputy



Mayor, Ar. Rajani Joshi shared that she is working to develop Bhaktapur as a center for knowledge, science, civilization, and a cultured city. She mentioned that the municipality is actively involved in developing educational institutions, aiming to prepare capable and skilled human resources contributing significantly to all sectors of the country.

by the municipality.

The program also included welcoming the new students into the Khwopa family by the Principal of Khwopa Engineering College, Er. Sujan Maka, and the Principal of Khwopa College of Engineering, Er. Sunil Duwal. They extended best wishes for a successful academic journey and guided the new



She highlighted the notable contributions made by qualified and skilled individuals prepared by educational institutions run

students about various aspects of engineering education.



Educational Exhibition Marks 26th National Earthquake Safety Day, Emphasizes Urgent Reforms



Mr. Prem Suwal, the Secretary of NWPP and a Federal Parliament Member, is inaugurating the Educational Exhibition to mark the 26th National Earthquake Day

4th Magh

In commemoration of the devastating earthquake that struck on Magh 2nd, 1990, an educational exhibition was organized at Dattatraya, Bhaktapur – 09, to raise public awareness on the 26th National Earthquake Safety Day. The event, jointly organized by Bhaktapur Municipality, Khwopa Engineering College,



and Khwopa College of Engineering, saw active participation from various stakeholders, scholars, and concerned citizens.

The exhibition was graced by the presence of Chief Guest Prem Suwal, Secretary of Nepal Workers and Peasants' Party and Member of Parliament. Secretary Suwal addressed the audience, highlighting crucial aspects of earthquake preparedness and urging collective responsibility.

Secretary Suwal emphasized the enforcement of the National Building Code, urging all stakeholders, including builders, engineers, and authorities, to prioritize and enforce these regulations during construction projects. He stressed the importance of well-trained masons and carpenters, recommending regular training programs to enhance their skills and knowledge.

In his address, Secretary Suwal advocated for the discouragement of population accumulation in the Kathmandu

Valley. He urged the promotion of decentralization to mitigate the potential adverse effects of future earthquakes.

Expressing concern about the current practices of the Kathmandu Valley Development Authority (KVDA), Secretary Suwal described it as a "Kathmandu Valley Plotting Project." He warned against haphazard plotting by private companies and urged responsible authorities to prevent such practices.

Secretary Suwal held both the Kathmandu Valley Development Authority and the government accountable for any future loss of lives and property due to inadequate earthquake preparedness measures. He emphasized the need for stakeholders to learn from past earthquakes in 1990, 2045, and 2072, and implement wise practices to minimize damages in future earthquakes.

Highlighting the urgency of the situation, Secretary Suwal called for the reconstruction of Singhadhwaka Darbar (National Art Museum), which was heavily damaged during the Gorkha Earthquake 2015. He stressed the importance of restoring it to its original Malla period architecture.

In addition to earthquake preparedness, Secretary Suwal touched upon various contemporary national and international issues, making the audience aware of broader global concerns.

In the program, the Chairperson,

Mr. Sunil Prajapati, Mayor of Bhaktapur Municipality and Chairman of management committee, Khwopa Engineering College and Khwopa College of Engineering, welcomed the Chief Guest, distinguished guests, and all the participants. He shed light on the current practices of Bhaktapur Municipality during the construction and reconstruction of world heritage structures and new structures. He also detailed the contributions of both colleges in the field of engineering, particularly in earthquake engineering.



Mayor Prajapati informed that Bhaktapur Municipality is encouraging the use of local construction materials, local construction technology, and local masons and carpenters through user groups in the reconstruction of heritage structures. This approach aims to strengthen the involvement of the local community in preserving the cultural and historical significance of Bhaktapur.

The Chairperson's address elucidated the municipality's commitment to sustainable and culturally sensitive

construction practices. He underscored the importance of collaboration between local communities, educational institutions, and governing bodies to create resilient and earthquake-resistant structures.

Special Guest, Surendra Raj Gosain, Member of Parliament (MP), Bagmati Province, expressed his appreciation for the significant role played by Bhaktapur Municipality and both colleges in educating the public about earthquakes and promoting earthquake-resilient construction through their annual programs. He encouraged faculties and students to engage into the study and research of traditional architecture, construction technology, and construction materials used in heritage structures, which have endured for more than three centuries, withstanding numerous large earthquakes.

MP Gosain underscored the importance of learning from our ancestors



who applied their experiences to build cities in locations where earthquake damages were minimal. However, regretted the haphazard city planning observed in

the 21st century, emphasizing the need for current government and stakeholders to follow scientific findings in the field of geology and geotechnical engineering when constructing new settlements. His remarks emphasized the crucial balance between preserving traditional knowledge and incorporating modern scientific advancements to create sustainable and resilient urban environments in the face of seismic challenges.

Ar. Rajani Joshi, Deputy Mayor of Bhaktapur Municipality, emphasized the



crucial need for coordinated efforts among stakeholders during the reconstruction of heritage structures. Expressing her reservations, Deputy Mayor Joshi voiced strong objections to the use of foreign construction materials in the restoration of the world heritage structure Pujari Math, situated at Dattatraya Square. Her stance underscored the vital importance of employing original materials to maintain authenticity and preserve the cultural and historical significance of such invaluable heritage sites. Deputy Mayor Joshi further highlighted the necessity of

implementing an annual calendar for the monitoring and maintenance of heritage structures, a practice carried out by our ancestors who marked dates through the celebration of various festivals. Her remarks highlighted the importance of combining modern restoration practices with traditional methods to ensure the continued preservation of Bhaktapur's rich architectural heritage.

Guest Roshani Kumari Shrestha, Chief District Officer of Bhaktapur District, expressed her appreciation for the efforts of the colleges in organizing the educational program. Chief District



Officer Shrestha took the opportunity to elucidate the meticulous arrangements made by the CDO office for disaster management in the District. She regulated all stakeholders to actively participate and collaborate in efforts to reduce earthquake



disaster hazards. CDO Shrestha's emphasis on collective engagement underscored the significance of a community-wide approach in mitigating the impact of earthquakes and ensuring the safety and resilience of the region.

Mr. Basanta Bhattarai, Chief Administrative Officer of Bhaktapur Municipality, along with Er. Sujana Malla, Principal of Khwopa Engineering College, Er. Sunil Duwal, Principal of Khwopa College of Engineering, and Er. Ratna Shova Prajapati, Vice-Principal of Khwopa College of Engineering, extended a warm welcome and encouraged all attendees to explore the diverse exhibits at the event. They urged visitors to engage with the exhibition's 31 models, 43 paintings, 26 paper bridges, 6 posters, and various security and rehabilitation equipment displays.

The active participation of the Chief Guest, distinguished guests, teachers, students, and the general public in visiting the exhibition added an interactive dimension to the program, promoting a comprehensive understanding of earthquake resilience and safety measures.



Talk program and Prize distribution of Earthquake Safety Day



5th Magh

Khwopa Engineering College and Khwopa College of Engineering jointly organized a talk program and prize distribution to winners of exhibition held on the occasion of 26th National Earthquake Safety Day. Chief guest of the program, Mr. Prem Suwal, member of the

the 108 ropani land of Sallaghari for Khwopa university. Reminding that the land belonged to the people of Bhaktapur before it was acquired for a very little sum by the then royal family, he opined the land should be returned to the people of Bhaktapur for the university. He also congratulated the winners of the exhibition program held at Dattatraya on the occasion of the Earthquake Safety Day.



Chairman of the management committee of the colleges, Mayor Sunil Prajapati said the heritages damaged by Gorkha Earthquake was all rebuilt from Bhaktapur's own sources. Pointing that

Federal Parliament and secretary of Nepal Workers and Peasants' Party talked about the achievement of the colleges run by Bhaktapur Municipality and expressed that even though the government has provided land for various institutions all over the country, it has not yet provided



Bhaktapur Municipality rejected the aid of 10 million euros provided by the German government due to their reluctance of

building construction standards.



including Nepali professional in the reconstruction work, he said that he should not depend on others but stand on his own feet and work independently.

Deputy Mayor of Bhaktapur Municipality and vice-chair of the college management committee Ar. Rajani Joshi said that though there is a misconception that only concrete buildings are strong, the buildings using vernacular technology are stronger and earthquake resistant. Stating that the reconstruction technicians of Jajarkot have come to visit Bhaktapur to learn about reconstruction, she said that skilled architect engineers should give suitable suggestions on

In this program, the principal of Khwopa College of Engineering Er. Sunil Duwal, Principal of Khwopa Engineering College. Dr. Sujan Maka, and Vice Principal of Khwopa Engineering College Subeg Bijukchhen also discussed various measures related to earthquake safety.

Senior engineer Er. Jagdish Man Shrestha gave the talk on Role of quality construction in earthquake resistance structures. Similarly, seismologist of National Earthquake Monitoring and Research Centre, Mr. Chintan Timsina presented on seismicity and seismo-tectonics of Nepal Himalaya and various aspects related to recent Jajarkot Earthquake.



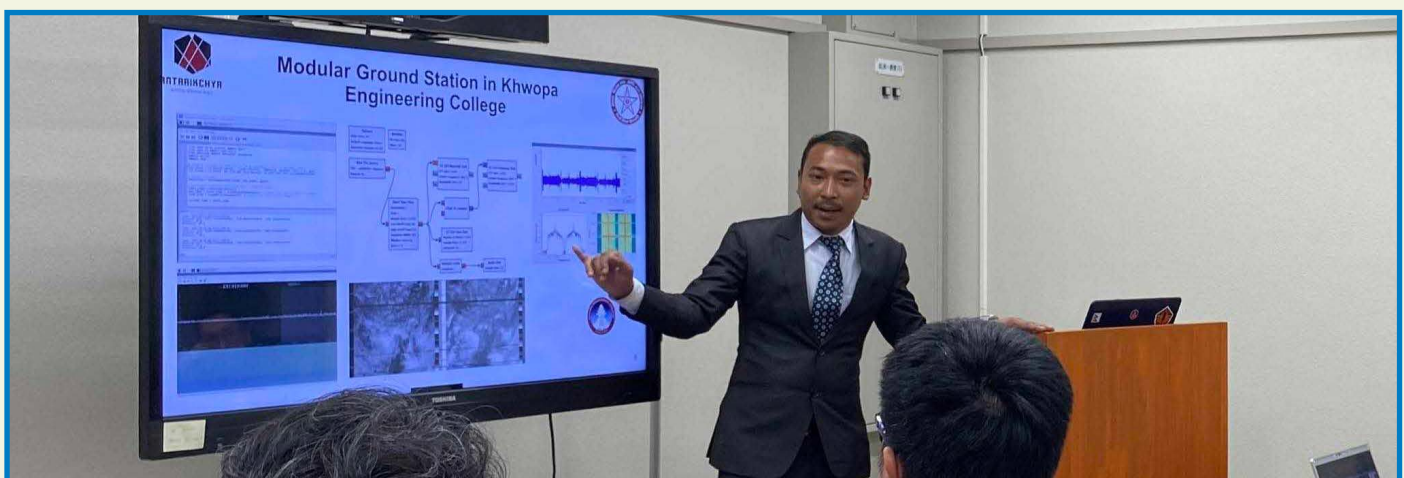
"Electronics, Communication and Automation Engineering Department hosts Workshop for Syllabus Revision; Emphasizes Practical Application and Technological Upgrades"

22nd Magh

In a proactive move towards enhancing educational standards, the Department of Electronics, Communication, and Automation Engineering at Khwopa Engineering College organized a comprehensive workshop aimed at refining the syllabus for Purbanchal University courses.

A total of 7 full-time and 9 part-time faculties were involved in the discussions, each contributing valuable insights into the proposed

syllabus. Participants stressed the need for a practical curriculum that helps students apply what they learn in real-world situations. Integral to the discourse was the exploration of technological advancements, with particular emphasis on upgrading laboratory facilities to align with contemporary industry standards. The discussions showed a mutual dedication to developing a curriculum that doesn't just teach theory but also helps students gain practical skills in Electronics, Communication, and Automation Engineering, preparing them for the fast-changing field.



Er. Sajan Duwal, an alumni of Khwopa Engineering College (KhEC) presenting on Modular ground station in 7th GS and GST workshop, KyuTech, Japan. His team has completed final year project on Satellite Ground Station in KhEC.

Faculty Training on Quality Assurance and Quality Control

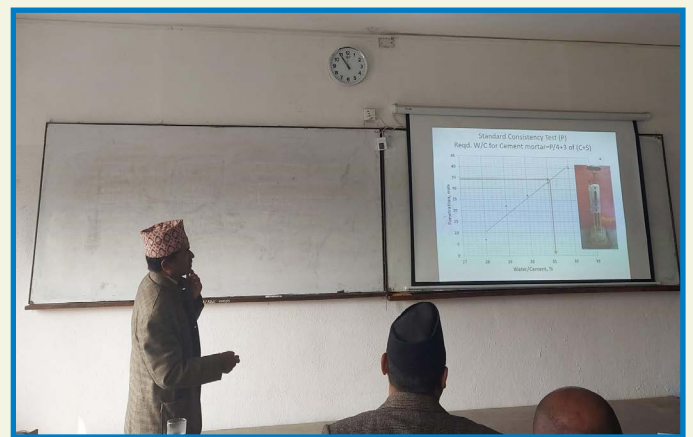
24th Magh

The Department of Civil Engineering has organized 6-days' training on Quality Assurance and Quality Control from 18th to 24th Magh, 2080 for the Department faculties. The training was conducted by Er. Jagadiswar Man Shrestha (Former Senior Divisional Engineer, Department of Irrigation, Ministry of Energy, Water Resources and Irrigation, Government of Nepal). Altogether 12 faculties participated in the training.

The training was aimed at providing comprehensive knowledge on quality assurance and quality control processes in the projects and construction sites. Er. Shrestha delivered intensive lecture sessions on Quality Assurance and Quality Control of RCC Structures highlighting the importance of quality of structures, quality requirements, and related

standards of engineering materials, testing methods and to attain the excellent quality of the construction work in accordance to technical specifications. The participants were guided to field demonstration at the construction site at college premise.

Er. Shrestha presented in-depth practical knowledge and ideas on materials, earthquake engineering, professional ethics and Tunnel Boring Machines operated in Nepal. The training concluded with the site visit at Sunkoshi-Marin Diversion Multi-purpose Project in Sindhuli district.



Study Tour on part of Faculty Training on Quality Assurance and Quality Control

24th Magh

The study tour for Department faculties, lab assistants and engineers of the technical section was organized with the objective to visit Sunkoshi-Marin Diversion Multi-purpose Project, Sindhuli on 24th Magh, 2080. The visit was a part of the training on Quality Assurance and Quality Control provided by Er. Jagadishwar Man Shrestha (Former Senior Divisional Engineer, Department of Irrigation, Ministry of Energy, Water Resources and Irrigation, Government of Nepal).

The study visit was carried out in two parts. The first day visit was arranged for the presentation of Sunkoshi-Marin Diversion Multi-purpose Project, Sindhuli on 23rd Magh, 2080. A brief presentation to faculties about the overall project

was arranged at the site office. The Project Director Er. Mitra Baral presented about the project and was very informative for the faculties.

On the second day, visit was arranged for the construction site of Sunkoshi-Marin Diversion Multi-purpose Project, Sindhuli. The faculties visited the construction site of the diversion tunnel where Geologist Purushottam Shilpakar explained the construction of the tunnel and present problems during the construction works.

He also described the working procedure of the Tunnel Boring Machine (TBM) with help of dynamic small scale replica. The trainer Er. Jagadiswar Man Shrestha guided the faculties to batching plant, segment casting plant and the material testing laboratory.



Exploring Brick Making: Architecture Students' Trip to Bhaktapur Kilns

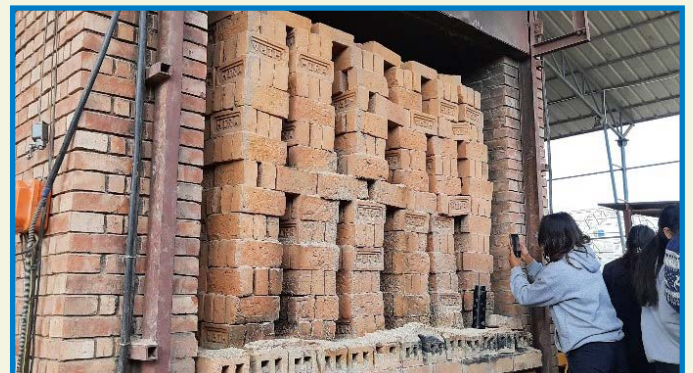
26th Magh

First-semester B. Architecture students from Groups A and B went on a fascinating journey to learn about brick-making. Guided by faculties Ar. Rashish Lal Shrestha and Ar. Krishna Gopal Prajapati, they visited brick kilns in Bhaktapur on the 23rd and 26th of Magh 2080.

They visited three kilns: Dakshin Barahi Brick Factory in Thimi, Bhaktapur Ceramics in Byasi, and Prajapati Ceramics

on the way to Changunarayan. The trip gave them a detailed look at the whole brick-making process, from preparing clay to burning bricks.

Students saw firsthand the careful work involved in molding clay by hand and using machines. They also learned about drying and burning bricks in different kilns. This practical experience complemented their classroom studies and gave them a better understanding of architecture.



3rd National Conference on Architectural Trends and Heritage (NCATH 2024)



April 26th, 2024

Call for Participants

Key Dates

Submission of extended abstract : 29th March 2024

Notification of acceptance : 5th April 2024

Early Registration : 10th April 2024

Themes

- Heritage (Historic, Contemporary, Risk, Policies, Construction Technology)
- Contribution of practice
- Public and private land: ownership and management
- Sustainability and Resilience

(Note : Please go through the link for online registration and detail submission procedure.)

Registration Charges

Institutional	NRs 5,000/-
Individual	NRs 2000/-
Student	NRs 1500/-

Payment Details

Account Name: Khwopa Engineering College
Account Number: 01900100024013000001
Branch: Bhaktapur
Bank SWIFT Code: NEBLNPKA

Website link

<https://architecture.khwopaconference.com>



QR Scan for website

Organized by



Technical Support



Studio Interaction Session

"a learning culture"

Presenters :



Dipesh Magar



Modita Manandhar



Merina Rai



Kritan Prajapati



Monika Dhital



Bandika Awa

B. Architecture - 2075 Batch

Conservation Studio : Documentation of Chandeswori Temple, Banepa



Ronista Manandhar

Archi. 2076 Batch

Design Studio VI : Housing



Krishma Duwal

Archi. 2077 Batch

Design Studio III : Residence

An Undertaking of Bhaktapur Municipality

Khwopa Engineering College
Department of Architecture

Program On : 2080/11/27

10:00 am onwards, Hall 1



ROBOSTACLE RUN (ROBO RACE) AND LINE FOLLOWING ROBOT COMPETITION

Certificate for all Participants,
free training and mentor for each team

Competition on

Date : Falgun 24, 2080

Time : 9:30 Onwards

Venue : College premises



Scan for Registration

CASH PRIZE WITH TROPHY

15000/- : Winner

10000/- : First Runner Up

5000/- : Second Runner Up

*Subject to tax deduction as government rules.

Registration Fee : 1000/-

Deadline : 12th Falgun

Organizer



Technical Support



INNOV NEPAL

Contact :

Er. Yogesh Bajracharya (9841096218)

Er. Rakesh Gwachha (9851185948)

Gaurab Tamakhu (9860133130)

Note : upto Bachelor First Year Students can participate.



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