

Empowering Communities and Academia Through Education with Outreach Program



Khwopa College of Engineering, in collaboration with Khwopa Engineering College, successfully conducted an extensive Outreach Program from March 19 to March 24, 2081 (6th Chaitra to 11th Chaitra 2081). This initiative aims to foster educational partnerships, share knowledge, and enhance community engagement. Professor Dr. Raju Bhai Tyata led the outreach program, which included Er. Rakesh Gwachha, Er. Yogesh Bajracharya, and Er. Ramesh Bala. They visited various institutions in Makawanpur, Chitwan, Nawalparasi, Rupandehi, and Lumbini. The program aimed to bridge the gap between academia and society.

The Outreach Program focuses on expanding access to quality education for marginalized communities and strengthening collaborations with local institutions and organizations. The six-day journey included visits to 26 institutions, including technical schools, colleges, and universities. Faculty members discussed academic improvements with educational leaders, exchanged ideas, and explored potential collaborations.

The institutions visited include Nepal Bharat Polytechnic Institute (Hetauda), Janapriya Higher Secondary School (Hetauda), Narayani Polytechnic Institute (Bharatpur), Korea Nepal Polytechnic Institute (Butwal), Kalika Manabgyan Secondary School, and several +2 Science Colleges and Technical Schools.

During the program, participants engaged in meaningful conversations with principals, coordinators, and administrative leaders to enhance student enrollment in higher education. Collaboration fosters the development of sustainable academic partnerships. The visit also explored various strategies for strengthening technical education and examined innovative approaches to community-university engagement.

The Outreach Program was a success, strengthening institutional relationships and fostering new opportunities for student exchange and faculty collaboration. This enabled us to identify key challenges in student enrollment and academic quality, paving the way for solution-driven approaches. It also

emphasized the necessity of regular outreach initiatives to maintain strong academic-community ties.

Through this exposure to the community and academia, KhwoPa College of Engineering and KhwoPa Engineering college remain dedicated to improving educational equity and fostering collaboration. Future programs will prioritize expanding outreach efforts to additional regions and enhancing technical education offerings through long-term partnerships for academic and professional development.

This Outreach Program was a significant milestone in bridging academia and the community. The college aims to empower the next generation of learners and professionals through continued collaboration and innovation.



List of Polytechnic and school visited

SN	Name of Institution	Location (Address)	Date of Visit
1	Nepal Bharat Polytechnic Institute	Hetauda, Phaparbari	2081-12-06 (Wednesday)
2	Janapriya Higher Secondary School (Technical School)	Hetauda-16, Chisapani	
3	Hetauda School of Management and Social Science	Parijat Marg 4, Hetauda	
4	Bhutandevi Secondary School	Hetauda-4	
5	Narayani Polytechnic Institute	Bharatpur - 10	2081-12-07 (Thursday)
6	Diwakar Memorial Technical School	Madi, Chitwan	
7	Skyrider Secondary English Boarding School	Ratnagar-13, Chitwan	
8	Gurukul Secondary School	Bharatpur - 10	
9	New Capital College	Ratnagar-4, Chitwan	
10	Orchid Secondary School	Bharatpur-10, Hakim-chowk, Chitwan	
11	Mayor of Ratna Nagar Nagarpalika	-	2081-12-08 (Friday)
12	Madi Campus	Madi, Chitwan	
13	Madi Secondary School	Madi, Chitwan	
14	Shree Prabhat Secondary School	Bharatpur-25, Chitwan	
15	Ratna Rajya Laxmi Secondary School	Mukundapur, Pitaui, Nawalparasi	2081-12-09 (Saturday)
16	Lumbini Buddhist University	Parsa, Lumbini, Rupandehi	
17	Kapilvastu Multiple Campus	Kapilvastu, Nepal	
18	Korea Nepal polytechnic institute KNPI	Butwal	
19	New Horizon English Boarding Secondary School	Butwal	
20	Tilottama Secondary School	Butwal	
21	Kalika Manabgyan Secondary School (Sector 2)	Butwal	
22	Kalika Manabgyan Secondary School (Sector 1)	Butwal	
23	Janta Secondary School	Arunkhwola, Nawalparasi	
24	Nawajagaran Namuna Secondary School	Nawalparasi	
25	Adhikabi Bhanubhakta Secondary School	Narayanghat	2081-12-11 (Monday)





KhCE Concludes Workshop about the Annual Report 2081

Khwopa College of Engineering (KhCE) successfully conducted a workshop titled “A Workshop on the Review and Finalization of the Annual Report 2081” on 27th Chaitra 2081. The program brought together key academic and administrative personnel to present and refine the college’s annual report for the year 2081.

The primary aim of the workshop was to review and consolidate KhCE’s academic, research, and administrative accomplishments for the year 2081. It focused on ensuring the accuracy, clarity, and completeness of the KhCE’s documentation. Additionally, the workshop aimed to align the annual report with national and international accreditation standards, while also serving as a platform to discuss strategies for improvement and set actionable goals for the upcoming year.

The workshop was chaired by Er. Sunil Duwal, Principal of Khwopa College of Engineering, who underscored the significance of transparency and accountability in institutional reporting. In his address, he emphasized that the annual report is not merely a formal document, but a reflection of the KhCE’s collective efforts, challenges, and accomplishments. “The annual report serves as a roadmap for future growth and institutional development,” he stated, further highlighting the necessity of preparing a comprehensive and accurate report to guide KhCE’s progress and strategic direction.

During the workshop, Er. Ratna Shova Prajapati, Vice Principal of Khwopa College of Engineering, emphasized the strategic importance of the annual report. She remarked, encouraging all departments and sections to align their efforts with the future vision and goals of the KhCE.

Mr. Sanjaya Manandhar, Head of Administration, also spoke about the relevance of the workshop and the collective responsibility involved in institutional reporting.

During the session, the heads of various departments and sections presented their respective annual reports, offering a comprehensive overview of their achievements, challenges, and future plans. Presentations were delivered by Er. Aanand Kumar Mishra, Head of the Civil Engineering Department; Er. Rakesh Gwachha, Head of the Electrical Engineering Department; Er. Dinesh Gothe, Head of the Computer and Electronics Department; and Mr. Bhesh Bahadur Thapa, Head of the Science and

Humanities Department. Additionally, reports were presented by Prof. Dr. Raju Bhai Tyata, Coordinator of the R&D Unit; Prof. Dr. Chandra Kiran Kawan, Head of the Exam Section; Mr. Kaji Bahadur Pancha, Head of the Account Section; and Mr. Rajan Jati, Head of the Store Section. Each presentation contributed to the holistic assessment and documentation of the KhCE’s performance throughout the year 2081.

The presentation was followed by group discussions, where participants provided constructive feedback to refine and enhance the report. The collaborative effort ensured that all significant contributions were thoroughly documented. After careful review and necessary revisions, the final draft of the Annual Report 2081 was prepared for official record.



Nepal Administrative Staff College Researchers Visit Khwopa

Participants of the seven-day professional training program "Innovating Public Policy: Use of Evidence (InnoPoLE)," organized by Nepal Administrative Staff College, visited Khwopa College of Engineering and Khwopa Engineering College on 18 chaitra 2081. The visiting team included researchers from the Policy Research Institute like Dr. Manita Kusi, and government officials such as Bhuvaneshwar Lamichhane (Ministry of Water Supply), Kiran Jung Karki (Nepal Police), Deependra Jha (Ministry of Water Supply and Sanitation), Salikram Dahal (Ministry of Health), and Trivikram Pandey (Employees Provident Fund).

They interacted with Sujan Maka, Principal of Khwopa Engineering College, and Sunil Duwal, Principal of Khwopa College of Engineering. The discussion focused on Bhaktapur Municipality's integration of innovative policy practices into local governance and the college's role in supporting this through research and technology.

The principals shared how the colleges contribute to practical solutions through research in heritage conservation, new technologies, and innovation. Bhaktapur Municipality directly implements these findings, for example, in preserving cultural landmarks and using drone technology for urban planning and environmental monitoring.

During the COVID-19 pandemic, the colleges developed practical tools like automated sanitizer dispensers and robots to aid healthcare workers. Students have also been developing impactful projects, such as IoT-based systems for agriculture and traffic control and AI-driven solutions for disaster management and urban planning.

The visiting team commended the colleges' dedication to applied research and innovation, highlighting its significance for Nepal's sustainable development.



Joint Department Meeting: Annual review of the departmental activities and future prospectives

The Department of Electrical Engineering and the Department of Computer and Electronics Engineering held a joint meeting with the Principal and Administration of Khwopa College of Engineering on Chaitra 19, 2081, in Hall 4 (F & G Block) of the college. This significant gathering aimed to discuss ongoing institutional developments, departmental updates, and future action plans.

During the meeting, faculty members of both the department provided insightful feedback on the ongoing projects and initiatives within the college, emphasizing areas for enhancement and efficiency. Er. Dinesh Gothe, Head, Department of Computer and Electronics Engineering reported on recent academic and research progress, student achievements, and infrastructure improvements, while Er. Rakesh Gwachha, Head, Electrical Engineering Department presented updates on curriculum advancements, ongoing projects, and collaborations with industry and research institutions.

New actions to be taken were major agenda of discussion, including proposals for integrating new technologies and methodologies to enhance the teaching-learning process. Faculty members stressed the need for improved laboratory resources, additional research opportunities for students, and increasing industry collaboration and internship opportunities. Administrative updates on campus development,

policy changes, and student services were shared by the Administration Head, Mr. Sanjaya Manandhar, along with discussions on upcoming academic and extracurricular events aimed at enriching student engagement.

Faculty members expressed their views on improving academic policies, workload management, and faculty development programs. Suggestions for enhancing student mentorship programs and fostering a more research-oriented environment were put forward. The meeting concluded on a positive note, with commitments from the Principal Er. Sunil Duwal to implement feasible recommendations. Both departments expressed their dedication to contributing to the growth and excellence of Khwopa College of Engineering.



KhCE Signs MoU with S4W-Nepal to Enhance Water Resource Research and Capacity Building

Khwopa College of Engineering (KhCE) has signed a Memorandum of Understanding (MoU) with Smartphones For Water Nepal (S4W-Nepal) to enhance research and capacity building in water resource management on Tuesday 5th Chaitra, 2081..

S4W-Nepal, a non-profit research organization, focuses on hydro-meteorological data collection and sustainable water management. This collaboration will facilitate joint research, data sharing, training, and technological innovations to address Nepal's water challenges.

At the signing ceremony, KhCE Principal Er. Sunil Duwal emphasized the benefits of research partnerships, student engagement, and community initiatives. He highlighted that students and faculty will work with S4W-Nepal on hydro-meteorological research, GIS mapping, and mobile-based data collection, gaining hands-on experience and contributing to real-world problem-solving. Additionally, S4W-Nepal's open-source data will support final-year projects, climate studies, and simulations.

Dr. Sanjiv Neupane, CEO of S4W-Nepal, stressed that the partnership extends beyond academia, fostering community engagement in sustainable water use, rainwater harvesting, and disaster preparedness. KhCE students will participate in field surveys, water quality assessments, and citizen science projects, with opportunities for research grants and international collaborations.

Er. Aanand Kumar Mishra, Head of the Civil Engineering Department, highlighted that the partnership will significantly enhance KhCE's research capacity, provide students with practical skills, and strengthen academic learning through real-world applications.

The MoU was signed by Er. Aanand Kumar Mishra on behalf of KhCE and Dr. Sanjiv Neupane for S4W-Nepal. The signing ceremony was attended by Er. Anil Kasula, Deputy Head of Department (DHoD), Er. Bibek Thapa, Senior Lecturer, Mr. Sanjaya Manandhar, Head of Administration, and Mr. Sudeep Duwal, Research Associate from S4W-Nepal.



Most Circulated Subject on Chaitra 2081

S.N.	Circulation	Title
1	94	Mathematics
2	83	Transportation engineering
3	44	Physics
4	43	Foundation engineering
5	32	Engineering Chemistry
6	31	Building Science
7	26	Engineering Mechanics

Pre - event of 4th National Conference on Architectural Trends and Heritage (NCATH 2025)

Model Exhibition

on the occasion of World Heritage Day

Venue : Layaku Ground
(near Sikshya Sadan School), Banepa

Date : 6th Baisakh 2082, Saturday

Time : 10:30 am to 3:00 pm

Organized By :
Department of Architecture



An Undertaking of Bhaktapur Municipality

Khwopa Engineering College
Khwopa College of Engineering

Conference on 15th Baisakh 2082 at college premises, Bhaktapur (01-5122094, 01-5122098)

Free entry to exhibition

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शुभकामना व्यक्त गर्दछ ।

भक्तपुर नगरपालिकाबाट संचालित

ख्वप कलेज अफ इन्जिनियरिङ्ग

त्रिभुवन विश्वविद्यालयबाट सम्बन्धन प्राप्त

शैक्षिक कार्यक्रमहरू

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MAIN COMMITTEE

- Chairman : Mr. Sunil Prajapati (Mayor of Bhaktapur Municipality)
- Member: Ar. Rajani Shrestha (Deputy Mayor of Bhaktapur Municipality)
- Member: Mr. Rabintra Jyakhwo (Chairman of Ward-9, Bhaktapur Municipality)
- Member: Associate Prof. Sujana Malla (Principal of Khwopa Engineering College)
- Member: Associate Prof. Sunil Duwal (Principal of Khwopa College of Engineering)

STEERING COMMITTEE

- Ar. Libas Phajju
- Ar. Archana Bada Shrestha
- Ar. Rashish Lal Shrestha
- Ar. Rabina Shilpakar
- Ar. Pramila Shilpakar
- Ar. Sarita Dhukwa
- Er. Anil Tukanbanjar

SCIENTIFIC COMMITTEE LIST OF 4TH NCATH

- Bhim Nepal, Khwopa Engineering College
- Bireesh Shah, Khwopa Engineering College
- Madan Rimal, Tribhuvan University
- Purusottam Lochan Shrestha
- Ram Govinda Shrestha, Khwopa Engineering College
- Libas Phajju, Khwopa Engineering College
- Rijina Bajracharya, Khwopa Engineering College
- Subik Kumar Shrestha, Khwopa Engineering College



Proposed

4th National Conference on Architectural Arts and Heritage (4TH NCATH-2025)

27th April 2025, Bhaktapur, Nepal



Organized by



Co-Organized by



In Association with



Message from the Chairman

Following the devastating 2015 Gorkha Earthquake, Khwopa Engineering College and Khwopa College of Engineering have successfully organized two international conferences



on "Earthquake Engineering and Post Disaster Reconstruction Planning" in 2016 and 2019, as well as "National Conference in Earthquake Engineering", "Graduate Conference on Architecture" in 2019 and "National Conference on Trends in Architecture" in 2022.

Continuing our colleges' tradition of providing a platform to the academicians and researchers to present their research findings, we are organizing a conference on "Architectural Trends and Heritage", on 27th April 2025, on the occasion of World Heritage Day (April 18th). We sincerely invite the experts working in the related field to come and join us with your latest research/studies.

The organizing committee would highly appreciate your unflinching support. As the chairman of the committee, I look forward to welcoming you at the conference.

Objective

The past few decades have brought unprecedented changes to our country and the Kathmandu valley. The influencing factors are many, and the drastic change is mainly seen in the natural and the built environment around us. As the guardians of the built environment, the architects and engineers have the responsibility to see

that these changes are respectful to our past heritage and sustainable to the future generations.

The present conference on "Architectural Trends and Heritage" aims to bring together academicians, professionals and researchers working in this field to share their experiences and original research findings, which will ultimately help to shape our future towns and villages.

Submitted extended abstracts will be reviewed by the scientific committee of the conference for approval.

We believe that the participants of the conference will get an opportunity to establish research relations, and to find research partners for future collaboration. We sincerely invite you to join us in the conference, which will be held on April 27th 2025, in the premises of Khwopa Engineering College and Khwopa College of Engineering.

Themes

• Heritage

Heritage and Conservation of historic buildings and urban areas on different kinds of built heritage (water, culture, archaeology, local industries, etc)

Contemporary Heritage (since the 1960s)

Practices that are posing a risk to the heritage value

Policies on heritage

Construction Technology

• The contribution of architectural practice to trends and heritage: how has the contemporary practice been shaping the built environment that may constitute a part of 'trends and heritage'?

• Issues on land ownership and management: use of public land (e.g., government, gutli, etc.) and private land (for large-scale developments like housing, land pooling, urban design plans, etc.)

• Environmental/ecological, social, cultural, and economic aspects as interrelated but distinct aspects of sustainability and resilience

Key Dates

Action	Deadline
Submission of extended abstract	29th March 2025
Notification of acceptance	5th April 2025

Registration fees

Registration Type	Fees
Institutional	NRs 5,000/-
Individual	NRs 2000/-
Alumni/Student/Other colleges+KhEC and KhCE	NRs 1000/-
Part-time faculty/KhEC and KhCE	Free
Presenters (Institutional/Individual)	NRs. 1,000/-

Account Name:	Khwopa Engineering College
Account Number:	01900100024012000001
Bank:	Nepal Bank Limited
Branch:	Bhaktapur
Bank SWIFT Code:	NEBLNPKA