

A Workshop on "Quality Assurance and Quality Control of RCC Structures"



The Department of Civil Engineering organized a workshop on "Quality Assurance and Quality Control of RCC Structures" for 5 days with 3 days of training sessions and 2 days of site visits. Part of this event i.e. training session of the workshop conducted from April 7th to 9th, 2024 at the college premises.

The workshop was led by the dynamic and esteemed Engineer Jagadishwar Man Shrestha. He is a highly experienced Quality Control Engineer and former Senior Divisional Engineer of the Department of Irrigation. The workshop spanned 12 hours across three days. Participants had the opportunity to learn from Mr. Shrestha's wealth of experience in RCC structures and Lab experiments.

The workshop delved deep into the critical aspects of quality control and quality assurance within RCC construction. Faculty members gained comprehensive insights into the meticulous control of concrete and its ingredients, including cement, coarse and fine aggregates, admixtures, water, and rebars to ensure structural integrity and longevity. The workshop also included discussions on the significance of concrete ingredient proportions and trial mix designs in achieving optimal strength requirements.

Discussions on the optimization

of civil engineering structures and refrainment from overdesigning the structures were insightful. Additionally, the significance of teamwork among architects, civil engineers, and geotechnical engineers was also discussed, emphasizing the collaborative approach needed for successful construction projects.

Mr. Shrestha's extensive experience was particularly inspiring, motivating participants to uphold high standards in their academic and professional endeavors.

Overall, the workshop proved to be a valuable learning experience for faculty members, fostering a deeper understanding of quality assurance and control in RCC structures while promoting collaboration across various engineering disciplines.



Field Visit about Civil Engineering Materials

To provide practical insights into the manufacturing process of civil engineering materials, a field visit was arranged for the students of Civil Engineering currently studying "Civil Engineering Materials". The one-day field visit commenced on the 4th of April under the supervision of faculties Er. Sunita Kharbuja, Er. Upu Rasiya Lasiwa, Ms. Rashmi Koju, Er. Radhika Kharbuja, and Er. Bikesh Khatri.

The field visit was organized with the primary aim of leading our students from the source of materials, and production used in construction works. The team visited the production site of Gorkha Red Bricks, Basdol, Panauti. Owing to the cooperation of project Director Er. Rajan Duwal and project Coordinator Mr. Raji Koju and the Team, students got the chance to get information about the salient features of the project. They observed the ongoing production process of the Chinese Bricks.

Similarly, With the cooperation of the plywood center in-charge Mr. Sagar provided the information about the manufacturing process of plywood from timber logs with their proper mechanisms, along with the process of proper natural air seasoning of timber.

The information shared by the technical personnel of the respective projects to the students, provided valuable insights into the operation of construction materials and the field visit proved to be a valuable learning curve to our students.



A two-day workshop titled "Quantum Computing and Post Quantum Computing"

The Kathmandu University's Computation Mathematics Club recently organized a two-day workshop titled "Quantum Computing and Post Quantum Computing." Representatives from Khwopa College of Engineering, Er. Dinesh Gothe, Head of the Department of Computer Engineering, and Er. Dinesh Ghemosu from the Department of Electrical Engineering, participated in the program. The event, held on March 26 and 27, commenced with a presentation on "Introduction to Quantum Physics" by Prof. Dr. Deepak Subedi from KU. It was inaugurated in the presence of various dignitaries, including Prof. Dr. Janardan Lamichhane, Dean of the School of Science, and Prof. Dr. Manish Pokhrel, Dean of the School of Engineering, along with heads of departments, faculty members, students, and approximately 26 participants from diverse academic and industrial backgrounds.

On the first day of the workshop, Associate Professor Dr. Gokul K.C. from the Department of Mathematics delivered two sessions covering topics such as "Fundamentals of Quantum Computing" and "Quantum Teleportation, Deutsch Algorithm." The following day commenced with Dr. Gokul

KC presenting on "Introduction to Post Quantum Cryptography," emphasizing the significance of research in this area and its associated algorithms. Subsequently, Mr. Mukesh Tiwari discussed "Multivariate Cryptography," while Miss Priyanka Panta provided insights into "Code-Based Cryptography," including hands-on training.

The workshop concluded with a vote of thanks by Dr. Gokul KC, followed by closing remarks from Prof. Dr. Rajendra Kayastha, Head of the Mathematics Department. Prof. Dr. Kayastha also distributed certificates to all participants, while Prof. Dr. Janardan Lamichhane presented certificates of appreciation to the presenters.



Field visit of Engineering Geology-I

Department of Civil Engineering organized a field visit on engineering geology-I for 1st semester students on 6th – 9th Chaitra, 2080. The Malekhu site was selected since different rock types along a single route can be observed along the roadside, and the river channel pattern of the Trishuli River can be observed well. Different geological structures are also well exposed in this area. The study of other rocks, geological structures, river channel morphology, and measurement of the attitudes of stones are the measures of the study area of the visit.

The team explored different geological formations, such as rock outcrops, riverbeds, and slopes. They closely examined the geological structures, mineral composition, and the effects of natural forces on the terrain. The instructors emphasized that field visits provide an invaluable opportunity for students to bridge the gap between theory and practice. By observing geological formations and understanding their behavior, students can develop a comprehensive understanding of the challenges they may encounter in their future careers as civil engineers.



Most Circulated Subject on Chaitra 2080

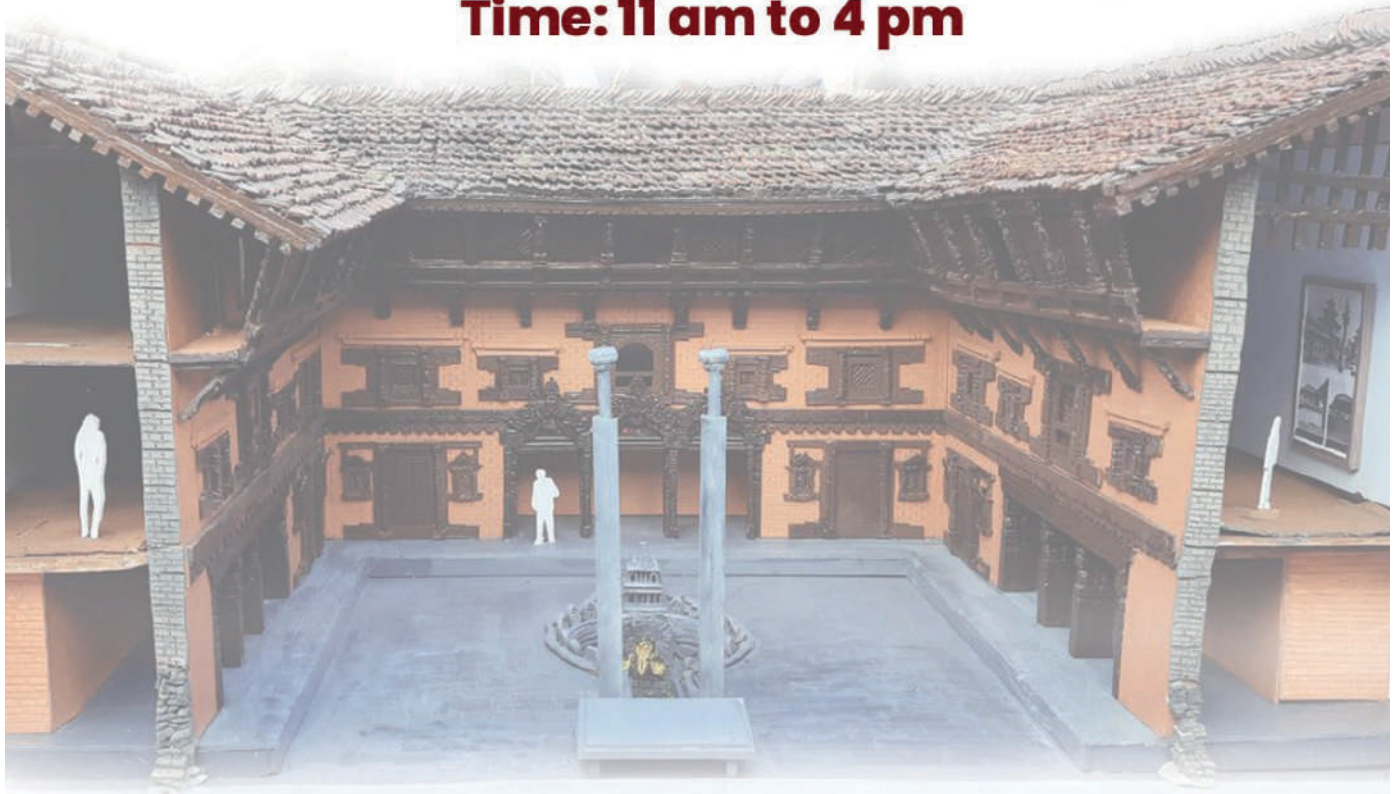
S.N.	Circulation	Title
1	702	Mathematics
2	166	Engineering Physics
3	108	Transportation engineering
4	103	Mechanics
5	99	physics
6	69	Engineering Chemistry
7	68	Electromagnetics
8	58	Economics Civil Engineering

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

Model Exhibition

on the occasion of World Heritage Day

Venue: Patan Museum, Lalitpur
Date: 8th Baisakh 2081, Saturday
Time: 11 am to 4 pm



Organized By:
Department of Architecture
Khwopa Engineering College
Khwopa College of Engineering

Technical Support:
Society Of Nepalese Architects



Conference on 14th Baisakh 2081 at college premises, Bhaktapur (01-5122094, 01-5122098)

Free entry to exhibition



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~~ 9th April 2024

Notification of acceptance : ~~5th April 2024~~ 15th April 2024

Early Registration : ~~10th April 2024~~ 17th 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.)

Conference Proceedings will be published after the conference,
Deadline for full paper submission April 27, 2024.



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Registration Charges

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

Payment Details

Account Name: Khwopa Engg Dharauti Khata
Account Number: 01900100024013000001
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उत्तरोत्तर प्रगतिको हार्दिक मंगलमय
शुभकामना व्यक्त गर्दछ ।

भक्तपुर नगरपालिकाबाट संचालित

ख्वप कलेज अफ इन्जिनियरिङ्ग

त्रिभुवन विश्वविद्यालयबाट सम्बन्धन प्राप्त

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