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# Khwopa Engineering College

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NEWSLETTER

## One Day Field Visit by Architecture Students.



A worker at Brick factory

### Kartik

The Department of Architecture just conducted a one-day field visit for the students from the 7th semester (075 batch) as a component of the course "Traditional Architecture of Nepal" (elective II). The tour was led by our senior faculty Ar. Krishna Gopal Prajapati. They visited Changunarayan Temple at

Changunarayan, Dakshin Barahi Brick Factory at Thimi, and a local brick factory at Bhaktapur. The goals of the tour was to enhance students' knowledge about uses and production procedures of local building materials allowing them to observe Changunarayan Temple's ongoing renovations.



Local Brick Factory



Renovation of Changunarayan Temple



## A Five Day Educational Excursion for Architecture 2075 Batch



### Kartik

A 5 day educational excursion was conducted for the batch of 2075 Bachelor in Architecture students for the partial fulfillment of course subjects Vernacular Architecture (elective I) and Energy Efficient Building Design (elective II) in Pelunga Village of Thumki, Rupa Gaunpalika, Kaski District, which is about 30 minutes by bus east to Rupakot Resort. Senior Lecturer Ar. Archana Bade Shrestha, Lecturer Ar. Sunaina Shakya, and

part-time faculty Ar. Udvash Puri led the tour of 31 students. Students visited the village of the Brahmin/Chettri caste group, which consisted of oval-shaped dwellings known as "Ghumaune Ghar." The research in the village was followed with a questionnaire survey, measurements of oval houses, drone photographs, and temperature and humidity tracking. Furthermore, the excursion became more interesting with the visit to International Mountaineering museum at Pokhara and Annapurna view Resort at Sarangkot.





## A Guest Lecture to the Students of Second Semester

20<sup>th</sup> Kartik

Department of Science and Humanities arranged a guest lecture as a part of orientation to begin second semester courses, with an objective of imparting valuable insights on Project Work and MCQ to the students of second semester of Civil Engineering. The guest lecture was given by Dr. Prameshwari Kattel, Associate Professor, Trichandra Multiple Campus, TU.

Dr. Kattel, in his lecture, described several possible formats of project writing, issues of plagiarism, possible projects works in Mathematics and tackling techniques for MCQ.

In the guest lecture, 96 students of Civil Engineering got benefitted with a fruitful interaction following the 50 minute long lecture.



## A Visit to Sagarmatha Television

30<sup>th</sup> Kartik

Fifth semester students of Bachelor in Electronics & Communication Engineering made a field observation of Sagarmatha Television (STV) Station situated in Baneshwar, Kathmandu. The field visit was devised by the department as a part of syllabus to provide a practical knowledge to the concerned students about transmission media, concept of broadcast and antenna.

During the field visit, students got to observe Live Telecasting Room, Video Editing Room, Frequency Converter and Uplink Station and Rooftop with Antenna as set up by Sagarmatha

Television as its major technical components.

Sagarmatha Television is a free aired 24 hour News and Current Affairs Private Satellite Television Network from Nepal. Moreover, STV is uplinked on LeoSAT-3 Satellite, can be downlinked and viewed across Asia, Australia, East Africa and Eastern Europe.

Hence, the participant students got to learn through the visit technical insights from the real working field strengthening their theoretical knowledge obtained in the classroom.





## Survey Camp for 2076 Batch, BE Civil, was successfully Completed



### 30<sup>th</sup> Kartik

The Survey camp for 2076 batch (BE Civil, Khwopa Engineering College) was successfully completed at Nepal Electricity Authority Training Center, Kharipati, Bhaktapur, from 14<sup>th</sup> to 25<sup>th</sup> Kartik 2079. Bridge site survey at Panauti Roshi Khola site and evaluation at the college were carried out from 27<sup>th</sup> to 29<sup>th</sup> of Kartik. Total of 93 students have attended the camp for 15 days. Topography and road alignment survey were included in the first 12-day schedule. The survey camp was led by Er. Shyam Sundar Basukala (Senior Lecturer, Camp

Coordinator) and Er. Rujika Tuladhar (Lecturer, Camp Sub-coordinator) along with teachers, teaching assistants and lab assistants.

Some students have also been awarded for their outstanding performance in the camp:

Best Male Performer: Rupesh Sitikhu

Best Female Performer: Sweety Phanju

Best Leading Performer: Rajib Machamasi

Best Group Performer: Group A5 (Anita Chaulagain, Durga Bahadur Shrestha, Nyuran Suwal, Ruja Ojha, Sandip Munankarmi, and Sudip Tamang)





## A Three-Day Field-Work on Engineering Geology



### 30<sup>th</sup> Kartik

The field work of Engineering Geology for the B.E. Civil Engineering II/I (Batch 2077) as per requirement in the syllabus was conducted around Malekhu area of Dhading District from Kartik 25<sup>th</sup> to 30<sup>th</sup>, 2079. The field work was led by Dr. Subeg Man Bijukchhen, Mamata Sayami, Nirmal Kafle and Jaya Prajapati.

The field work was divided into two parts. The schedule from Kartik 25<sup>th</sup> to 27<sup>th</sup> was fieldwork for A/B section (46 students) of the class and from Kartik 28<sup>th</sup> to 30<sup>th</sup> was for the C/D section (48 students). The students of each section were divided into eight groups so that learning would be easier through teamwork and group discussion. On day 1, the students were taken to the bank of Trishuli River to study handling and use of geological compass and learn about river morphology. The students studied various aspects of river erosion and deposition mechanism and use of geological compass to measure the altitude of the rock exposures.

On day 2, the location was along the Malekhu Khola for study of different rock types and geological structures. The students were instructed on how to differentiate different rock types in hand specimen and how to identify geological structures (fold and faults) in field. Additionally, the students were briefed about tunnel and dam site investigation at the proposed dam site of Budhi Gandaki HEP, Gyalchock, Gorkha. They visited the adit tunnel at the dam site. They were given brief introduction about different parts of tunnel and support mechanism for tunnel. The next site was landslide of Krishna Bhir to teach students about mitigating measures of landslide. The site of the last day was the old bridge over the Malekhu River for study of rock mass classification system and also to learn about site investigation of bridge. The geological fieldwork helped the students to see the rock types, geological structures, river morphology, and site investigation of hydropower projects.





## Images from Book Interaction Program



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