Retrofitting work at KU

Modern RCC Structure

Structural Analysis Lab

Hydropower Field Tour

Civil Engineering Program
School of Engineering

Dhulikhel, Kavre, P.O Box 6250, Kathmandu Nepal

Phone: 977-11-661399 ext. 1109, Fax: 977-11-661443

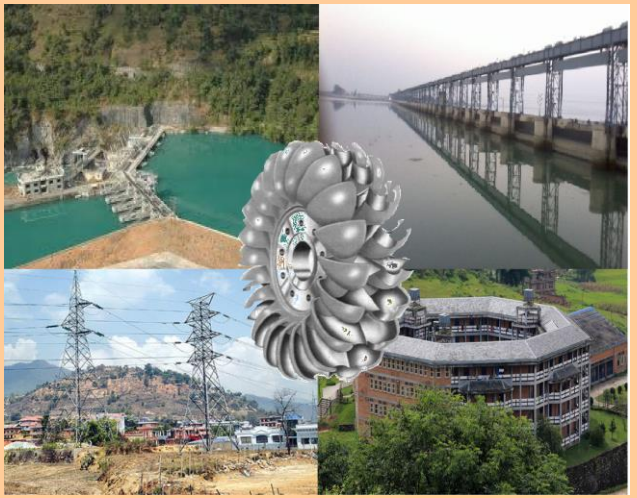
www.ku.edu.np/dcge

"The Road To Success Is Always Under Construction"

Educational Excursion

KATHMANDU UNIVERSITY

"Quality Education for Leadership"



Program

Bachelor of Engineering

In

Civil Engineering

(Specialization in Hydropower)

Department of Civil and Geomatics Engineering

2016

Civil Engineering with Specialization in Hydropower Engineering

Infrastructure development should be financially viable, socially acceptable and ecologically sustainable. Civil engineering encompasses branches of engineering science to develop and maintain sustainable infrastructures. It covers a wide-range of specialized fields that address all the above mentioned issues. **Hydropower Engineering** is the specialized field of civil engineering that requires multi-disciplinary knowledge of science and technology. Nepal's present goal is to build hydropower projects for economic and social development. The vision is to install 25 GW in ten years. This objective must be addressed from all levels. To increase the in-house capacity implementation of technically sound plans, designs, operations and maintenance of hydropower plants is essential.

Objectives

- To address the need of infrastructure development.
- To produce competent and development oriented skilled engineers.
- To enhance indigenous and global technology through research, development and education.

Salient Features

- Syllabus compatible with any reputed academic institutions
- Regular industry-based project works
- Field/Industry-based final semester / internship
- On site learning provisions
- Dedicated Faculty and laboratories

Testing of Tunnel support in Horizontal Testing Lab

Career Opportunities

- Hydropower Industries
- Government Organizations
- NGOs/INGOs
- Academia
- Construction Material Industries
- Contractors
- Development Banks and Financial Institutions
- Research Centers

Teaching and Evaluation System

The concepts of teaching and learning are strictly followed with the faculty facilitating student in their learning process. Apart from lectures and tutorials, students are given assignments for independent learning and are evaluated frequently. To enhance their professional competence, regular in-house projects are conducted each semester. And final field-based intern cum project are experienced in the last semester. Frequent seminars, talk programs, presentations, lab experiments and site visits are organized to broaden student's confidence. A minimum of two units of tests are a part of the evaluation scheme each semester. Students have to meet 80% attendance for regular classes and 85% attendance for practical classes. This is strictly monitored. Those that do not satisfy these requirements may not be allowed to participate in their final semester examination.

Course Duration

The duration of the course is four years. The odd and even semesters start from September and February respectively. The classes are held from Sunday to Friday from 9:00 am to 4:00 pm. Each year consists of two six months semesters.

Eligibility for Admission and procedure

Candidates should have completed 10+2 or equivalent degree from recognized academic institutions. A candidate with minimum 50% marks in aggregate and with 50% marks in physics, chemistry and mathematics will meet primary eligibility requirements. For details visit: www.ku.edu.np