## **Scholarships**

- Each semester GPA merit based full tuition fee waiver scholarships per 30 students intake capacity
- Need and merit based partial tuition fee waive scholarships as per KU provision.
- · Loan Scholarship

### **Facilities**

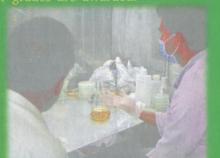
- · Library and Information Services
- Hostels; Bus facility; Sports facility;
   Swimming pool
- Departmental Students' Club: Forum for Environmental Conservation and Management (FECAM)

### **Cost of Program**

Total cost of the four-year B. Tech. in Environmental Engineering for 2019 intake is NRs. 750,000. Details can be obtained at KU.

### **Evaluation**

Performance is continuously assessed through in-semester and end-semester evaluations. Evaluation criteria such as class participation, class tests, assignments, presentations, practical exam, mini-projects are used. At the end of the semester, letter grades are awarded.



### **Faculty**

Prof. Dr. Subodh Sharma (Registrar - KU) Prof. Dr. Bibhuti Ranian Jha

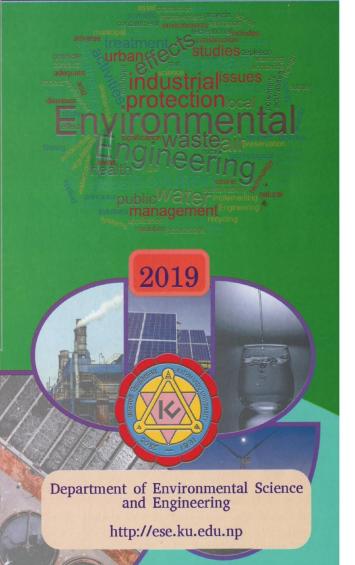
- Dr. Rijan Bhakta Kayastha (Head of the Department)
- Dr. Bed Mani Dahal
- Dr. Kumud Raj Kafle
- Mrs. Sabita Aryal Khanna
- Mr. Sandeep Shrestha
- Mr. Rabindra Pokhre
- Dr. Smriti Gurung
- Dr. Kundan Lal Shrestha (Coordinator Environmental Engineering)
- Dr. Bikash Adhikar
- Dr. Nani Raut
- Dr. Anish Ghimire
- Mr. Subodh Luitel

### **Lab and Office Staff**

Mrs. Binita Thapa Mr. Sakul Dhakal

# B. Tech. in Environmental Engineering





Department of Environmental Science and Engineering

School of Science, Kathmandu University Dhulikhel, Kavre, Nepal

http://ese.ku.edu.np Phone: 977-011-415100, Email: ese hod@ku.edu.np

# Program

Kathmandu
University (KU)
was established
by the act of
parliament of Nepal
in November 1991,
as an autonomous,
not-for-profit, nongovernment institution
dedicated to maintaining high
standards of academic excellence.

The Bachelor of Technology in
Environmental Engineering program, the
first such program in Nepal, was launched
by KU in August 2005 and has already
successfully produced more than 200
graduates, who are recognized and
registered as Environmental Engineers by
Nepal Engineering

Nepal Engineering Council.

The sustainable development of any country needs to recognize the intimate and intricate relationship

between the human activities and the environment. With the rise in haphazard development processes, we risk irrecoverable damage to our environment through urgent and pervasive problems like pollution and impact of the built environment on our ecosystem. Hence, this program aims to equip the students with a sound knowledge-base of technical and engineering principles to assess and eliminate the environmental pollution in the environmental media, viz., air, water and soil.





## Career Opportunities

- Government and municipalities
- Environmental impact assessments
- Pollution control
- Non-governmental organizations associated with environmental protection
- Water supply and
  Wastewater treatment plants
  Sewage treatment plants
  Air pollution control
- Solid waste management
- Sustainable energy development
- Urban planning



# **Admission Eligibility**

Minimum grade of C+ each in PCM (Physics, Chemistry and

Mathematics) and a minimum

of grade C in remaining subjects.

OR, if the student has been evaluated in percentage system, minimum 50% in aggregate of PCM. See

## Labs

· Environmental Research Lab

http://apply.ku.edu.np

Microbiology Lab

for further details.

- Central Instrumentation Lab
- · Mechanical Engineering Lab
- Wastewater Treatment Plant
- Automatic
   Stations
- GC-MS Lab
- Field Experiments
- Environmental Analysis Lab
- GIS and Computer Lab
- Supercomputer Lab



- Introduction to Environmental Engineering
- · Chemical Process Calculation
- · Fluid Mechanics
- Engineering Thermodynamics
- · Engineering Geology
- Water Supply Engineering
- Air and Noise Pollution Control Engineering
- · Applied Hydrology
- Energy Technology
- Water, Wastewater and Sanitary Engineering
- Environmental Engineering Design
- Solid Waste Management
- Environmental Impact
  Assessment
- Environmental Modeling
- Final Year Project
- Internship



