



Students assessing damage with mobile app

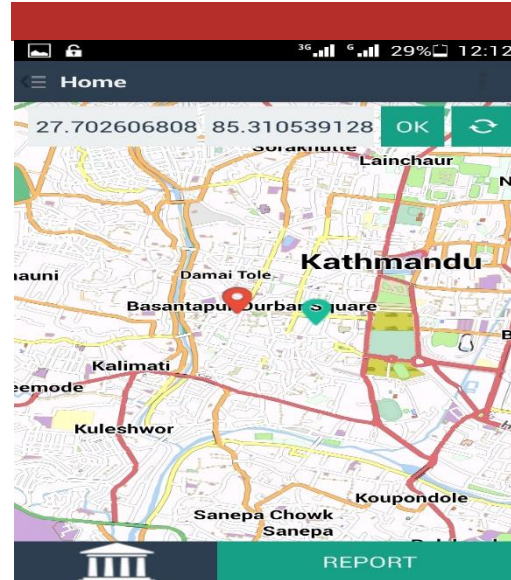


Students doing differential GPS survey

Scholarship

This is a joint program of Kathmandu University, School of Engineering with Land Management Training Center (LMTTC). LMTTC will provide 35% scholarships for 20 students (four students from each of the five development regions) based on merit and 100% scholarship for one government employee from Engineering Services: Survey group. The university also provides scholarship for academically bright but financially weak students.

“Quality Education for Leadership”



Screen dump of mobile app developed at DCGE

Department of Civil & Geomatics Engineering

School of Engineering

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Students doing level survey during close camp

www.ku.edu.np/dcge



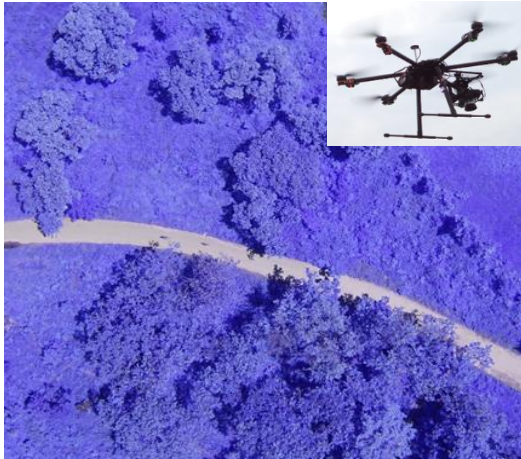
KATHMANDU UNIVERSITY (KU)



Program

Bachelor of Engineering
in
Geomatics Engineering

Department of Civil & Geomatics
Engineering (DCGE)



Use of UAV in forest biomass estimation

Geomatics Engineering

Geomatics Engineering is a systematic, multidisciplinary and integrated approach regarding the application of geographic data for solving real-world problems in an innovative way. Geomatics includes cutting edge technologies in digital photogrammetry, remote sensing, image processing, satellite-based global positioning system, geographic information systems and surveying for digital mapping. Applications of geomatics engineering involve land development, construction surveying, forensic surveying, hydrographic surveying and spatial data analysis.

At KU, GE students learn to use advanced techniques to design, develop, and operate systems for solving problems about the land, infrastructure, natural resources, and the environment.

4 year course on semester basis

“We don’t merely teach courses; we enhance your professional competence through regular semester as well as externally funded projects, and industrial internship.”



A textured 3D model of Shree Pashupati Temple, Panauti

In collaboration with Nepal Government



UAV training at DCGE, KU

Admission Requirement

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

Career Opportunities

Geomatics graduates are employed in the following organizations

- Government ministries & departments
- Nepal Army/ Nepal Police
- Nepal Electricity Authority
- Private sector in Infrastructure development activities
- NGOs/INGOs
- International job market (Universities, Private and public companies)

3.5 month survey camp during course