



Energize Nepal Project

- Detail drawing of the **model Francis test rig** components in progress.
- Development of LabVIEW program for **instrumentation** purpose.
- Working on torque, flow, head & rpm for **calibration** of measuring instruments.

Lab Activities

- Presentation and discussion of lab, its facilities, major resource areas and prospects of collaboration with the **delegates from Wuhan University**, Hubei Province, P.R. China.
- Evaluation of the Fluid Mechanics Lab and project works for undergraduate students.
- Supervision during the construction of clean room and other maintenance works in the lab.
- Inspection of relocation & maintenance works of **valves/ connections** in the main pipeline.

Conference/ Visit

- Dr. Hari Pd. Neopane, Dr. Biraj Singh Thapa and some members of TTL visited the office of Chilime Engineering Company (ChesCo), Bansbari, Kathmandu on 8th February for the interaction meeting as a follow up for the **MoU between KU-SoE and ChesCo** which was focused on sharing knowledge and experiences and proposal preparation for the pilot project.
- Dr. Biraj Singh Thapa, Assis. Prof., DoME participated on **Global SDG 7 Conference** and presented in the session "Hydropower- part of the solution for sustainable development at Bangkok, Thailand from 21-23 February. For details please follow <http://ku.edu.np/news/index.php?op=ViewArticle&articleId=2220&blogId=1>
- Dr. Hari Pd. Neopane along with Ram Lama and Dadiram Dahal, students from ENEP project, TTL participated and delivered his presentation on "Workshop on Abrasive Erosion in Hydro Plants" organized by Alternate Hydro Energy Centre, **Indian Institute of Technology (IIT), Roorkee**, India from 23-24 February. For details please follow <http://ku.edu.np/news/index.php?op=ViewArticle&articleId=2222&blogId=1>

Activities of ENEP students

- 3D Modelling of turbine components and its fluid model for simulation.
- Numerical analysis of **reference design turbine**.
- Francis turbine blade modification based on CFX results (mainly **blade loading curves and efficiency**).
- Participation on "Workshop on Abrasive Erosion in Hydro Plants" at IIT, Roorkee, India.



Lab Visits

- Visit by the delegates from Korea International Cooperation Agency (**KOICA**) on 1st February.
- Visit by Dr. Guo Zhiwei and Dr. Yang Weijia, delegates from School of Water Resources and Hydropower Engineering, Wuhan University, P.R. China on 2nd February.
- Visit by Prof. Zhongdong Qian, **Deputy Director, State Key Laboratory of Water Resources & Hydropower Engineering**, Wuhan University (WU) and Prof. Dong Bin, **Director, International Research Center for Water Resources & Hydropower Engineering**, WU, P.R. China on 7th February and discussions on possible co-operation between TTL and WU.
- Visit by Yang Lei, faculty from Department of Civil Engineering, Wuhan University, P.R. China on 14th February.
- Visit by the officials from **EnergizeNepal project office** for project review meeting at TTL on 28th February.