

NOTICE

Student project at Turbine Testing Laboratory

This is to notify that the **Turbine Testing Laboratory** will undertake the following projects as for the academic year 2012/2013:

S. No	Possible Student Projects	Targeted Student Group
1	Design of Model Francis runner for performance test at Laboratory conditions	Fourth Year (2 Students)
2	Design verification of Cross flow turbines manufactured by Nepalese industries	Third Year (4 Students)
3	Development of Performance Measurement and data processing system for simplified Francis test rig	Fourth Year (2 Students)
4	Technical survey of Turbine requirements for potential hydropower plants in Nepal	Third Year (4 Students)
5	Performance test of Francis turbine in Laboratory conditions to estimate effects of sediment erosion	Fourth Year (2 Students)
6	Prospects of utilization of Pump Turbine in Nepalese Hydropower projects	Third Year (4 Students)
7	Manufacturing and Assembly Design of Francis Turbine components from operation and maintenance perspective in sediment laden projects	Fourth Year (4 Students)
8	FEM analysis of Mechanical structures and Welding Joints under hydraulic pressure	Fourth Year (2 Students)
9	Stress Analysis of Francis Turbine component using FEM	Fourth Year (2 Students)
10	Identification and classification of erosion potential of prospective hydropower sites in Nepal	Third Year & Fourth Year

Interested students are informed to submit their expression of interest in one of the above projects by **21 September 2012** to Turbine Testing Lab (TTL) with a brief project proposal.

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