

Department of Electrical and Computer Engineering
North South University



EEE 499B Final Report

**Hydroelectric Power System management
by using Whirlpool Turbine**

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ABSTRACT

Hydroelectric powerplant management is extremely common project all throughout the planet. Also, it is an especially accommodating and worthwhile framework yet it costs a ton of money to fabricate a hydroelectric powerplant. Use of renewable energy is an essential ingredient of socioeconomic development and economic growth. Renewable energy sources such as wind energy, tidal energy etc. is abundant and can help in reducing the dependency on fossil fuels. So, we contemplated something which can be both advantageous and furthermore costs modest quantity of money to implant a power project. In this manner we found a

Hydroelectric project with the assistance of current innovation and modern technology, which is a simple task and it will not set us back a great deal of money and it will be easy to build in a riverine country like Bangladesh not to mention is eco-friendly for fishes as they will be able to move through the whole procedures.

It will follow basic physics, which is kinetic energy collected from water.