Registration Form

TEAM INFORMATION

Team Name/Project Title: Lynx Clean Rivers
Department: Mechanical Engineering
Faculty Advisor: Dr. Sanchez
Team Members: Alexander Hooper, Rida Eznagui, Aimin Elgheriani, Badr Goubi, Gordon Aughenbaugh, Omar Abouagina, Mohammed Alabdullah, Bashar Sawaged, Muaath Albadin

PROJECT INFORMATION

Description:
Building two solar powered machines that remove trash from rivers and streams.

Abstract:
Lynx Clean Rivers is a senior design team made up of nine students building two different machines that remove trash from bodies of water. One is a waterwheel type design that scoops trash out of water and deposits it in a bin for collection. The other design is a four bar mechanism that removes trash. Both designs will move only intermittently 4-8 times per day, using motors that are powered by a battery which collects energy generated by a photovoltaic solar Panel. Both designs will rely on pontoons for buoyancy and will be supported by a steel Frame.