

Project title: “Design and Manufacture a diving robot for Sea-caged Shrimp Farming Industry”

❖ ***Objectives:***

1. Successful design and manufacture diving robots for Sea-caged Shrimp Farming Industry carrying a camera and a waste suction hose, which helps farmers to observe and clean cages

❖ ***Contents:***

1. Survey on current situation of Shrimp Farming Industry
2. Design robot
3. Manufacture, test a diving robot
4. Writing guidance

❖ ***Implementation period:*** 5/2009-5/2011

❖ ***Implementation person:***

MSc. Vu Thang Long, Faculty of Mechanical Engineering

❖ ***Results:***

1. Reports on current situation of Shrimp Farming Industry and technical requirements of the robot
2. Document on design of robot (frame, control circuit, control software)
3. Technical process of manufacture of balanced system, control system.
4. Robot can dive to the depth of 10m carrying camera a waste suction hose.
5. A guidance document
6. An artical published on a recognized journal

❖ ***Applied places:***

1. Sea-caged Shrimp Farms in South Central Vietnam