

PROJECT: FISH SAFE

TEAM MEMBERS:

MAHESHAAN ARULANANTHAN, SARAHVANA SARVES A/L VIJAYA KUMAR,

TAMILSELVAN A/L SHARAVANAN

ST JOHN'S INSTITUTION JALAN BUKIT NANAS, 50250 KUALA LUMPUR

1. PROBLEM STATEMENT: Many Malaysian fish farmers today face high fish mortality rates due to rapidly - changing fishery conditions. This is due to water quality and environment shifts.

2. THE SOLUTION: AI POWERED FISH FARM FILTRATION SYSTEM

EXPLANATION: Fish safe is a smart AI-Powered fish farm filtration system powered by solar energy which consists of four main sensors which are the pH sensor, turbidity, temperature and float sensor. The float sensor ensures there is always fresh water in the water tank. As for the three other sensors they constantly monitor the water quality in the fishery. If the system detects any one of the control thresholds has risen towards dangerous levels, the water will be classified as UNSAFE which activates the filtration system that filters out the dirty water for clean water.

3. BENEFITS OF FISH SAFE:

- Reduces high fish mortality rates
 - Early detection of water quality problems
 - Supports sustainable aquaculture
 - User friendly towards users
 - Reduces manual intervention needed from fish farm supervisors and farmers
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4.AI MODEL TRAINING RESULTS :

