Risk Management

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Fish detection in low light conditions

KF5012 Software Engineering Practice

Computer Science with Artificial Intelligence

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## Project outlines

The project was designed first with the technology in mind and second with the purpose it should have in real life situations, thus a lack of direction started showing from the very beginning. Members had experience working together and that was taken into consideration when forming the group.

## Introduction

Fish detection is an adaptation to Object detection, thus a part of Computer Vision. The technology has had time to mature and is now an essential part of consumer products – from face filters to smart automotive applications. Numerous open-source implementations are available in the development community. The scale of the project is big, there existing a wide variety of fish species and habitats with poor lighting conditions.

## Risk identification

* Personal risks for team members
  + Exhaustion and personal extenuating factors
  + Overworking and bad mission distribution
  + Poor time management
* Not granting realistic timeframes
* Equipment shortage
  + Not allocating enough time to training
  + Inability to communicate due to poor network conditions
* Major events causing discourse in the team element
* Lack of communication between participating parties
* Project description is too vague – not enough to focus on one solution

## Risk Estimation

## Risk evaluation