Weekly Progress - 14/4/2020

Full
Operated
MTBR

Object Detection

Navigation

Interaction

Communication

Detection

Stereo
Matching

Depth
Image

Human Upper
Body

Prediction

Classification

Local
Mapping

Persuasif

Decision
Making

IoT

2020191006 - Kisron
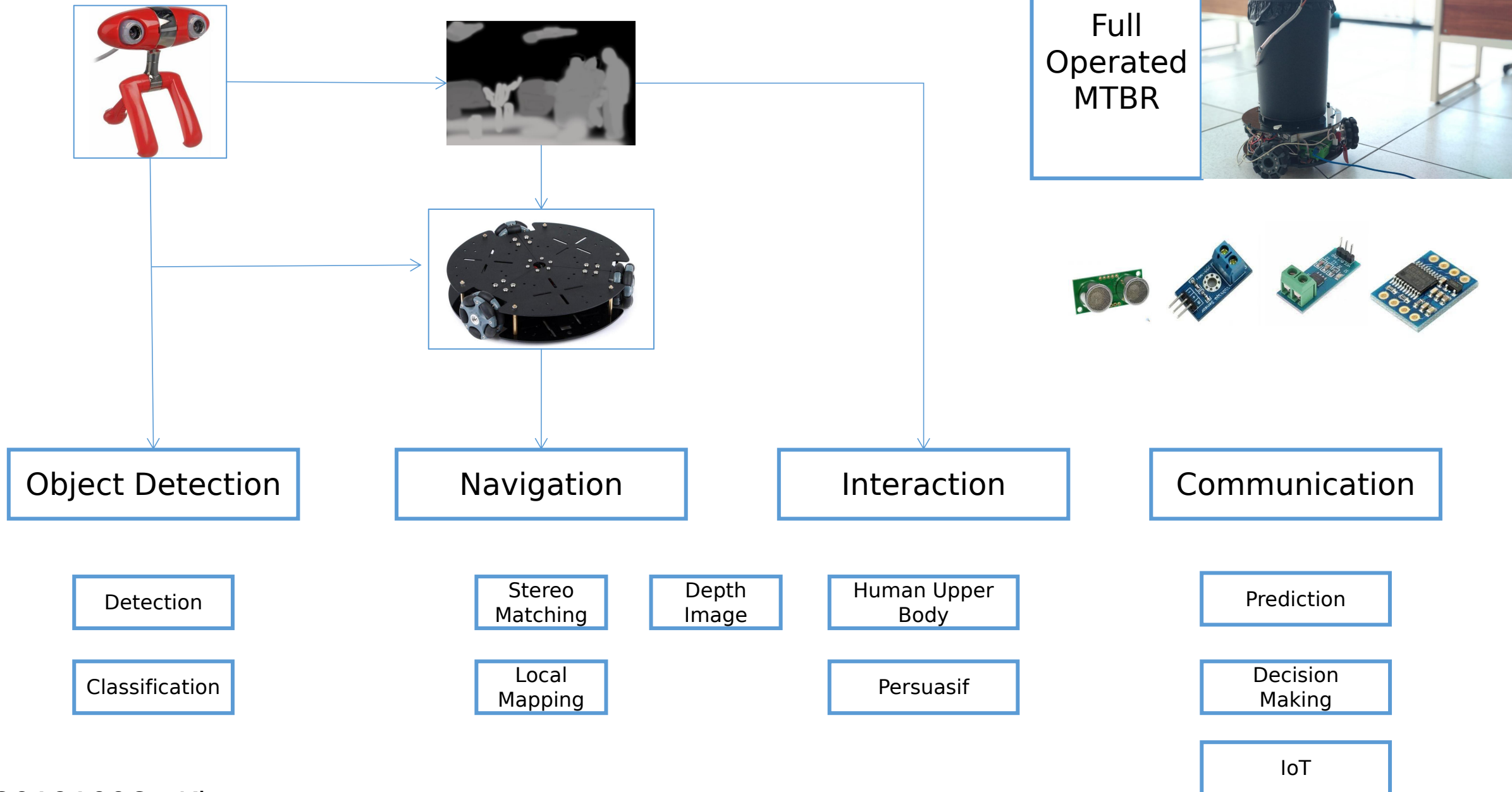
Already Done

- Installing ROS and QT Creator
- Access camera using ROS
- Create simple publisher subscriber (txt and img)
- Try rosserial to send data form arduino to PC
- Trash detection using Haar Cascade

program is uploaded in github
https://github.com/kisron86/MTBR-PENS

On going

- Convert irfan's program to ROS environment
- Trash Classification using SVM method
1. Exctract Feature using HOG and GLCM
2. Training SVM
3. Testing

Problem

1. Erorr library in ROS (solved)

2. Error Library for stereo function (use opencv2, but in ROS is opencv 3 installed)

3. Work hour internet doesn't stable

Solution

1. https://roboticsbackend.com/ros-include-cpp-header-from-another-package/

2. Install Opencv version 2

3. work at night 01.00 - 06.00

Next task

- Programming Trash Classification using SVM Method
- Prepare for international conference