

## e-Yantra Robotics Competition (eYRC 2019-20)

### Task 0 – Rapid Rescuer

Welcome to **Task 0** of **Rapid Rescuer**! The aim of this task is to get you started with installation of required software and learn the resources related to the software.

This task is divided into two parts:

- Software Installation
- Testing the Setup

**Note:** It is recommended in this theme to use machine with **Ubuntu OS ONLY**.

You will find the following folders in **Task 0** that contains this **Read Me** file.

- **1. Installation Instructions**
  - Please find the following files in this folder:
    - *environment.yml*
    - [\*Software\\_Installation.pdf\*](#)
  - Follow the instructions in [\*Software\\_Installation.pdf\*](#) file to install the following software/libraries:
    - Miniconda for Python 3
    - NumPy
    - OpenCV
    - PySerial
    - Visual Studio Code
- **2. Test Setup**
  - Please find the following files in this folder:
    - [\*Test\\_Setup\\_Read\\_Me.pdf\*](#)
    - *test\_task0.py*
    - *task0\_cardinal.pyc*

- Follow the instructions in the [Test Setup Read Me.pdf](#) file to test the software/libraries installed and complete the **Task 0** successfully.
- Further tasks will be based on Image processing using Python.

*... Best Wishes ! ...*

