

Welcome to NB theme!

Rulebook

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(1a) Software Installation (Ubuntu)

(1b) Software Installation (Windows)

(2) Test Setup

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Live Session 4 - 10th January 2021

Changelog



eYRC 2020-21: Nirikshak Bot (NB)

Task 0

[Last Updated on: **5th October 2020, 20:34 Hrs**]

Welcome to **Task 0** of **Nirikshak Bot**.

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 **four** parts:

Make sure you go through **4th point - Solving Assignment** first and register your team for the contest on or before **11-10-2020 23:59:00**.

- **(1) Software / Libraries Installation**

- **(a) for Ubuntu OS**
- **(b) for Windows OS**

Follow the instructions provided in these documents to install the software / libraries on the C you have in your PC / laptop:

- Miniconda for Python 3.8
- OpenCV
- NumPy
- Matplotlib
- Jupyter Notebook, JupyterLab
- CoppeliaSim 4.0.0
- Visual Studio Code

- **(2) Testing the Setup** - This document contains instructions to test the installation of:

- Mincionda virtual Python environment



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Task 0 - eYRC 2020-21: Nirikshak Bot (NB)

- OpenCV, NumPy and other libraries
- Coppeliasim Robotics Simulator Platform

- **(3) Learning Resources / Tutorials** - This document contains tutorials to learn:

- Python language
- Image Processing using OpenCV-Python, NumPy, Matplotlib
- Lua language
- Basics of Linux and Ubuntu (**only** for teams using Ubuntu OS)

- **(4) Solving Assignment** - This document describes the assignment to be solved based on Python and Lua tutorials.

- The assignment is a team-contest hosted on coding platform, CodeChef.
- Each participant needs to create an account on CodeChef and register your team to enter the contest.
- **[URGENT]** The registration will start from **06-10-2020 00:00:00** and will end on **11-10-2020 23:59:00. Make sure you register your team sooner.** There will be **no deadline extension** in any circumstances.
- The contest will start from **08-10-2020 23:59:00** and will end on **19-10-2020 23:59:00.**
- There will be 10 problems to solve.

ALL THE BEST !!
