eYRC 2020-21: Nirikshak Bot (NB)

[4] Software Specifications

[*Last Updated on:* **28th December 2020, 23:00 Hrs**]

- Due to the global pandemic, the majority of the themes in this year's edition of the e-Yantra Robotics Competition (eYRC) have been conducted on simulators.

- Keeping this in mind, to perform this theme with no glitches there are certain specifications required to be met by the participant's system.

- The idea specifications are listed below:

Parameter	Specification
OS	Windows 7, 8 or 10 / Ubuntu 16.04 or 18.04 / macOS Big Sur v11.0.1
RAM	4GB / 8GB
Python	Miniconda for Python 3.8
OpenCV	4.4.0
CoppeliaSim	4.0.0

- Teams must use Python 3.8 and OpenCV 4.4.0 to write their Image Processing and PID control logic to navigate the ball on all the Platform Tables.

- Teams must use Python Remote APIs of CoppeliaSim for communicating with the Remote API server and getting the data of Vision Sensors in the `arena_scene.ttt` .

> **NOTE:** As per e-Yantra policy and NDA, all your code, solutions and documents are solely the property of e-Yantra (IIT Bombay).