e-Yantra Robotics Competition (eYRC-2018)

Task 1.2 – Nutty Squirrel

Welcome to Task 1.2 of Nutty Squirrel!! The aim of this task is to make a line following robot in V-REP.

This task is divided into two parts:

- ❖ Tutorial

- ❖ Task on V-REP

Please find the following folders within **Task 1.2** folder that contains this **Read Me** file.

- ❖ First folder is *Task*

  - ➢ Please find the following files/folder in this folder:

    File: Problem Statement.pdf

    File: Task_1.2.ttt

    File: NS_Task_1_Report.docx

  - ➢ Follow the instructions in the Problem Statement.pdf file to perform the task on V-REP and Visual Studio IDE software. Also, answer the questions given in NS_Task_1_Report.docx file.

- ❖ Second folder is *Tutorial*

  - ➢ Please find the following file in this folder

    File: Path Planning Algorithms.pdf

  - ➢ Go through this file to learn the various path planning algorithms.

Submission Instructions for Task 1.2:

On successful completion of this task, create a folder named *NS#****_Task_1.2* where ***** is your Team ID. For example, if the Team ID is 12, save it as, *NS#0012_Task_1.2.zip* and submit on the portal. Additionally you must fill out *NS_Task_1_Report.docx* and export it as a .pdf file.

Include the following files:

- ➢ NS_Task_1_Sandbox.cpp
- ➢ NS_Task_1_Sandbox.h
- ➢ NS_Task_1_Report.pdf

NOTE: Deadline for Task 1A submission is: November 28th, 2018.

All the Best!