Task-1: Construct-O-Bot

Welcome to **Task 1** of **Construct-O-Bot**!!!

The aim of this task is to learn line following, path planning, wall following algorithms and implement them on V-REP simulator. You are already familiar with the V-REP simulator as given in Task 0 documents.

This task is divided into two parts:

❖ Basic task assignment in V-REP.

❖ Implementation of solution on a given arena in V-REP .

Please find the following files and folders within the folder that contains this **Read Me** file.

❖ First folder is **Task 1.1**

➢ Please find the following file and folders in this folder:

- *Task1.1_ReadMe.pdf* : Open this file, read the instructions to complete the assignment and Task1.1

- **Assignment** folder: contains assignment related files.

- **Task** folder: contains Task1.1 related files.

- **Tutorial** folder: contains tutorials related to Task 1.1.

❖ Second folder is **Task 1.2**

➢ Please find the following file and folders in this folder:

- *Task1.2_ReadMe.pdf* file : Open this file, read the instructions to complete the assignment and Task1.2.

- **Task** folder: contains Task1.2 related files.

- **Tutorial** folder: contains tutorials related to Task 1.2.

❖ Third folder is **CB Project**

- It contains Visual studio code template for Assignment, Task 1.1, Task 1.2.

❖ Fourth file is *Coding Standards.pdf*

Submission Instructions for Task 1.1:

You must submit your code for the task given in Task folder. Your submitted folder name should be *CB#****_Task_1.1* where ***** is your Team ID. For example, if the Team ID is 143, save it as, *CB#0143_Task_1.1.zip* and submit on the portal.

CB#****_Task_1.1.zip file should contain following files:
- ❖ *CB_Task_1_Sandbox.cpp*
- ❖ *CB_Task_1_Sandbox.h*
- ❖ *CB_Task_1.cpp*

NOTE: Deadline for Task 1.1 Submission is November 16th, 2019

Submission Instructions for Task 1.2:

On successful completion of this task, create a folder named C*B#****_Task_1.2* where ***** is your Team ID. For example, if the Team ID is 143, save it as, C*B#0143_Task_1.2.zip* and submit on the portal.

CB#****_Task_1.2.zip file should contain following files:
- ❖ *CB_Task_1_Sandbox.cpp*
- ❖ *CB_Task_1_Sandbox.h*
- ❖ *CB_Task_1.cpp*

NOTE: Deadline for Task 1.2 Submission is November 26th, 2019

ALL THE BEST!