

e-Yantra Robotics Competition (eYRC-2017)

Task 1 - Feeder Weeder

Welcome to Task 1 of Feeder Weeder!

This task is divided into two parts:

- Task 1A - Path Planning in Mazes
- Task 1B - Arena Navigation

You will find the following folders in this folder along with this Read Me file.

- First Folder is **Task 1A**

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

- ◆ **TestCases**
- ◆ **MazeSolve**
- ◆ **TestSuite**
- ◆ *Task 1A Description.pdf*
- ◆ *Installing and Running Codeblocks.pdf*
- ◆ *Testing Your Solution.pdf*

- It is recommended to go through *Installing and Running Codeblocks.pdf* before starting the task if you haven't used Code::Blocks before.
- Follow the instructions in *Task 1A Description.pdf* to understand and successfully complete Task 1A
- Afterwards you can test your solution on all test cases provided to you by following the instructions given in the *Testing Your Solution.pdf*.

- Second Folder is **Task 1B**

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

- ◆ **Task1B_Project**
- ◆ *Installation_guide_AtmelStudio6.pdf*
- ◆ *Task 1B Description.pdf*
- ◆ *Video_Shooting_Instructions.pdf*

- We will be using Atmel Studio 6 for programming Firebird in this task. It is recommended to go through *Installation_guide_AtmelStudio6.pdf* if you haven't used Atmel Studio 6 before.
- Follow the instructions in *Task 1B Description.pdf* to understand and successfully complete Task 1B
- **Task1B_Project** folder contains an already created Atmel Studio 6 project which you have to edit and add functions. Go through all the files in this project folder carefully
- You will be required to shoot a video of the Firebird V traversal in the Arena. Read the *Video_Shooting_Instructions.pdf* for details on how to shoot and upload the video.

- **Submission Instructions.pdf**

- Please follow instructions in this file to learn how to submit Task1A and Task1B.

Best of Luck !!

