

## Theme - Navigate a Terrain

### Read Me – Task 2

The task is divided into 2 parts:-

#### Section-1

Please find the **Section-1 folder** inside the **Task2\_Practice folder**. Inside the **Section-1 folder** the following files are present:

- 10 Maze test images “image\_00.jpg” to “image\_09.jpg”
- Section1.py python file
- Section1.txt text file
- Hash.txt text file
- TestSuite\_1.py python file
- Task2\_Section1\_Description.pdf document file.

Please refer to the **Task2\_Section1\_Description.pdf** for instructions on how to complete Section-1 of this task. You are expected to understand the problem and use image processing to find a solution. For the solution you need to edit the **section1.py** file and add your own code. You are **not allowed** to change or tamper with any other file in the **Section-1 folder**.

#### Section-2

Please find the **Section-2 folder** inside the **Task2\_Practice folder**. Inside the **Section-2 folder** the following files are present:

- 10 Maze test images “image\_00.jpg” to “image\_09.jpg”
- Section2.py python file
- Section2.txt text file
- Hash.txt text file
- TestSuite\_2.py python file
- Task2\_Section2\_Description.pdf document file.

Please refer to the **Task2\_Section2\_Description.pdf** for instructions on how to complete Section-2 of this task. For the solution you need to edit the **section2.py** file and add your own code. You are **not allowed** to change or tamper with any other file in the **Section-2 folder**.

#### Submission Instructions

The teams are expected to upload the solutions for Task 1 as follows:-

- Please save the modified **section1.py** and **section2.py** files in their respective folders. Please make sure that you have run the respective test suites for each of the 2 sections as instructed in the corresponding description files. The test suites must run without errors.
- Rename the **Task2\_Practice folder** to **eYRC-NT#<Team-id>\_Task2\_Practice**. Compress the folder in zip format.
- Upload the zip folder in the Task 2 upload tab on the portal.

**Note:** Check that you have downloaded the correct folder. After extracting the zip file, check the name of the folder. In case you have received incorrect theme, write to us at [helpdesk@e-yantra.org](mailto:helpdesk@e-yantra.org) or submit a query on piazza forum.

