

## Read Me - Task 2: Path Planning

The objective of this task is to help understand thoroughly the use of image processing to interpret the given image to find useful information.

The task is divided into 2 sections. Please find the following folders in the folder “CS\_Task\_2”:

- “CS\_Task2\_Algorithm”
- “CS\_Task2\_Experiments”

### Section A: Algorithm

- The folder “CS\_Task2\_Algorithm” consists of a document “CS\_Task2\_Algorithm.doc”. This document consists of questions pertaining to Task2. Teams need to answer these questions as per the instructions given in the document.

### Section B: Experiments

- The folder “CS\_Task2\_Experiments” consists of 2 files and 1 folder:
  - File: “CS\_Task2\_Experiments.pdf” – contains detailed instructions related to the experiments
  - File: “CS\_Task2\_Experiments.py” – contains the code snippets to be modified
  - Folder: “Test\_Images” – contains 5 test images

### Submission Instructions:

Teams upload the solutions to Section A and Section B as follows:

- **Section A: Algorithm**
  - Please save the modified document “CS\_Task2\_Algorithm.doc” file as “eYRCPlus\_CS<teamid>\_Task2\_Algorithm.pdf”.
- **Section B: Experiments**
  - Please save the modified code “CS\_Task2\_Experiments.py” file as “eYRCPlus\_CS<teamid>\_Task2\_Experiments.py”.
- Example of naming files:
  - If student Team ID is “350” then name of files to be submitted will be as follows:
    - eYRCPlus\_CS350\_Task2\_Algorithm.pdf
    - eYRCPlus\_CS350\_Task2\_Experiments.py
- Put the above two files into “eYRCPlus\_CS<teamid>\_Task2” folder and compress into **zip format**. Upload the “eYRCPlus\_CS<teamid>\_Task2.zip” at the “Upload” tab on the Portal Interface. For example, if student Team ID is “350” then name of folder and zip file to be submitted will be as follows:
  - eYRCPlus\_CS350\_Task2
  - eYRCPlus\_CS350\_Task2.zip

#### Warning:

- **IMPORTANT:** The document you submit should be in YOUR OWN WORDS. To avoid any copyright violations, you must NOT copy phrases directly from manuals or web.
- The team should NOT mail or upload the zip file anywhere else except on the portal.
- e-Yantra WILL NOT entertain any request for extension of deadline for uploading the zip file.

