**Unlimited Attempts Allowed**

Available: Dec 24, 2023 19:00 until Feb 11, 2024 23:59Available: Dec 24, 2023 19:00 until Feb 11, 2024 23:59

**Details**

**Click below to download the assignment question and python template file**

[**Python Template**](https://bits-pilani.instructure.com/courses/2489/files/465598/download)[**Problem Statement-4**](https://bits-pilani.instructure.com/courses/2489/files/465616/download)

**Instructions for submission:**

1. Follow IST time zone for due time of submission uploads
2. Only one submission per group is sufficient.
3. Submission requires below two documents.

| 2023 S1 ACI | | |
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| **2023 S1 ACI** | | |
| **Criteria** | **Ratings** | **Pts** |
| Identification & Design of the environment (PEAS , PSA) | **3 pts**  **Full Marks**  **0 pts**  **No Marks** | / 3 pts |
| Use appropriate data structures and implement search algorithms | **4 pts**  **Full Marks**  **0 pts**  **No Marks** | / 4 pts |
| Implementation of dynamic input(wherever applicable) & Interpretation of the findings & Heuristics/Fitness | **2 pts**  **Full Marks**  **0 pts**  **No Marks** | / 2 pts |
| Neat execution & display & interpretation of path & solution cost | **2 pts**  **Full Marks**  **0 pts**  **No Marks** | / 2 pts |
| Neat execution & display of Performance metric ( Time /Space Complexity/Effect of Hyperparameters) | **2 pts**  **Full Marks**  **0 pts**  **No Marks** | / 2 pts |
| Total Points: 0 | | |

* 1. Word file containing theory part including the explanation of the PEAS environment. A screenshot of the output should be appended in the document and the entire code execution too with clear output flow.
  2. The Python notebooks (.ipynb file or .py file) for the two algorithms mentioned.

1. **Mandatory requirement:**List the active team members with BITS ID, who effectively contributed to the assignment at the top of the python file. Inactive students of the group as endorsed through the details shared by group members will not awarded any assignment marks.
2. Irrespective of the number of members in the group, the evaluation will depend only on the single submission representing the group, uniformly for the entire class**.**
3. **No change request to shift groups is allowed for this course.**

**View Rubric**