

## Assignment Sheet

ODD Semester 2019

B.Tech CSE/IT 5<sup>th</sup> Semester

Course	Artificial Intelligence Lab
Course Code	15B17CI574

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### Instructions:

- All students are required to wear uniform else no attendance will be given plus minus 5 marks in disciplinary grade for not wearing uniform.
- Students have to do a mini project apart from the Lab Assignments.
- The evaluative lab assignments must be evaluated as per the given deadline. The total weightage of all day to day work is 60 Marks.
- There will be two lab tests of **20 marks each**. In case a student, who is absent in Lab Test 2 will be considered as Fail in the lab course.
- All students are required to attend at least **80%** labs. 15 marks are reserved for attendance. The evaluative lab assignments must be evaluated as per the given deadline from time to time.

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**Lab Assignment 5:**

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**Q1. Implement Greedy Best First Search Algorithm**

**Q2. Implement A-star Algorithm**

**Q3. Compare the performance of BFS and Astar algorithm over five different inputs on the basis of**

- a. Time complexity**
- b. Space complexity**
- c. Optimal Solution**