**COURSE NAME: ARTIFICIAL INTELLIGENCE COURSE CODE: BTCS602-18**

**ASSIGNMENT No: 1**

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**DATE OF ALLOTMENT: DATE OF SUBMISSION: COURSE INSTRUCTOR: SUBMITTED BY: REGISTRATION NO:**

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| **CT Group of Institutions, Shahpur** | | | |
| **Assignment No: 1** | | | |
| **Program:** | **B.Tech CSE** | **Semester:** | **6th** |
| **Name of Subject:** | **Artificial Intelligence** | **Subject Code:** | **BTCS 602-18** |
| **Name of Topic:** | **Introduction and searching** | **Maximum Marks:** | **10** |
| **Date of Allotment:** | **6/2/25** | **Date of Submission:** | **10/2/25** |

Q1. Identify the mobile apps that use AI in their functioning and explain the features. Q2. How can A Star algorithm be applied to real life scenarios?

Q3. Explain the board game LUDO in terms of state space.

Q4. How do AI models help in solving real life problems. Discuss any model and the problem it solves.

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| **Prepared by:** | **Verified by:** |
| **Name of Course Instructor: Er. Sukhdayal Dhanday** | **Name of HOI: Dr. Sandeep Ranjan** |
| **Signature with Date:** | **Signature with Date:** |