**BMS Institute of Technology and Management**

**(An Autonomous Institution, Affiliated to VTU, Belagavi)**

**Department of Master of Computer Applications**

**(Accredited by NBA, New Delhi)**

**Alternate Assessment Tool (AAT) # 2**

|  |  |  |  |
| --- | --- | --- | --- |
| **USN** | **1BY22MC007** | **Student Name** | **ANIRUDH U PARVATIKAR** |
| **Course Code** | **22MCA301** | **Course Title** | **MACHINE LEARNING** |
| **Semester** | **3** | **Academic Year** | **2023-24** |
| **Date of Submission** |  | **Number of Pages Submitted** |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **AAT Question or Topic or Problem Statement**  **Implement Decision Tree Algorithm (ID3) using Python and apply the same to the following dataset.**  **DataSet:2**   |  |  |  |  | | --- | --- | --- | --- | | **Instance** | **Classification** | **a1** | **a2** | | **1** | **+** | **T** | **T** | | **2** | **+** | **T** | **T** | | **3** | **-** | **T** | **F** | | **4** | **+** | **F** | **F** | | **5** | **-** | **F** | **T** | | **6** | **-** | **F** | **T** | |