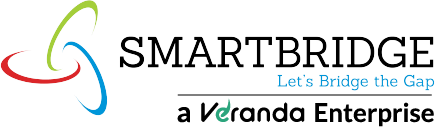
|  |  |
| --- | --- |
| Student Name | Pranay Bhandwalkar |
| Project Title | Uncovering The Hidden Treasures Of The  Mushroom Kingdom: A Classification Analysis |
| Maximum Marks | 2 Marks |



|  |  |  |  |
| --- | --- | --- | --- |
| **Data Source** | **Data Quality Issue** | **Severity** | **Resolution Plan** |
| Dataset | Image Variation | High | Collect images from diverse sources (different cameras, lighting conditions, angles).  Implement data augmentation techniques (rotation, scaling, cropping) during preprocessing. |
| Dataset | Occlusion | Moderate | Include images with partial occlusion, and/or train the model to be robust to it. |
| Dataset | Insufficient Resolution | Moderate | Establish a minimum resolution threshold for images. Use superresolution techniques, if feasible, to enhance the resolution of some images. |
| Dataset | Unbalanced Classes | High | Employ stratified sampling to ensure proportional representation of each mushroom species. Use data augmentation for minority classes. Explore the use of weight loss functions during training. |

**Data Collection and Pre-processing Phase**

**Data Quality Report Template**

