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| Date | 15 March 2024 |
| Team ID | SWTID1720436539 |
| Project Title | SportSpecs: Unraveling Athletic Prowess with  Advanced Transfer Learning for Sports |
| Maximum Marks | 5 Marks |

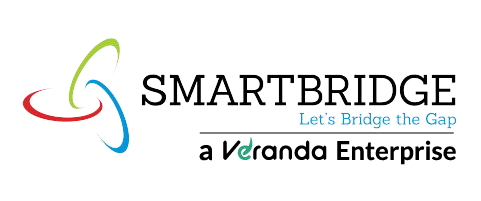
**Model Development Phase Template**

**Model Selection Report**

In the model selection report for future deep learning and computer vision projects, various architectures, such as CNNs or RNNs, will be evaluated. Factors such as performance, complexity, and computational requirements will be considered to determine the most suitable model for the task at hand.

**Model Selection Report:**

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| **Model** | **Description** |
| Vgg19 | **Accuracy: 74.20**    **We downloaded the base model without the last layer by setting the `include\_top` parameter to `False` while downloading. In the final layers of our neural network, we flatten the VGG16 output and add a dense layer with 100 neurons using softmax activation for classification.** |



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| ResNet50 | **Accuracy: 20.80**    We downloaded the base model without the last layer by setting the `include\_top` parameter to `False` while downloading. In the final layers of our neural network, we flatten the ResNet50 output and add a dense layer with 100 neurons using softmax activation for classification. |
| **Vgg16** | **Accuracy: 82.40**    **We downloaded the base model without the last layer by setting the `include\_top` parameter to `False` while downloading. In the final layers of our neural network, we flatten the VGG16 output and add a dense layer with 100 neurons using softmax activation for classification.** |