**Model Development Phase Template**

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| Date | 15 March 2024 |
| Team ID | SWTID1720707508 |
| Project Title | WarLens: Transfer Learning for Event Classification in Conflict Zones |
| Maximum Marks | 6 Marks |

**Model Selection Report**

In the forthcoming Model Selection Report, various models will be outlined, detailing their descriptions, hyperparameters, and performance metrics, including Accuracy or F1 Score. This comprehensive report will provide insights into the chosen models and their effectiveness.

**Model Selection Report:**

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| **Model** | **Description** | **Hyperparameters** | **Performance Metric (e.g., Accuracy, F1 Score)** |
| Model 1 | MobileNetV2 | Optimizer,Loss Function, Metrics,Callbacks,Data Augmentation | Training Accuracy , Validation Accuracy,Test Accuracy, Classification Report, Confusion matrix, F1-Score |
| Model 2 | Densenet121 | Optimizer,Loss Function, Metrics,Callbacks,Data Augmentation | Training Accuracy , Validation Accuracy,Test Accuracy, Classification Report, Confusion matrix, F1-Score |
| Model 3 | EfficientNetB0 | Optimizer,Loss Function, Metrics,Callbacks,Data Augmentation | Training Accuracy , Validation Accuracy,Test Accuracy, Classification Report, Confusion matrix, F1-Score |
| Model 4 | Exception | Optimizer,Loss Function, Metrics,Callbacks,Data Augmentation | Training Accuracy , Validation Accuracy,Test Accuracy, Classification Report, Confusion matrix, F1-Score |
| Model 5 | InceptionV3 | Optimizer,Loss Function, Metrics,Callbacks,Data Augmentation | Training Accuracy , Validation Accuracy,Test Accuracy, Classification Report, Confusion matrix, F1-Score |
| Model 6 | ResNet50 (pre-trained on ImageNet) | Optimizer,Loss Function, Metrics,Callbacks,Data Augmentation | Training Accuracy , Validation Accuracy,Test Accuracy, Classification Report, Confusion matrix, F1-Score |