**Model Optimization and Tuning Phase**

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| Team ID | 739915 |
| Project Title | BlueBerry Yield Prediction |
| Maximum Marks | 6 Marks |

### Hyperparameter Tuning Documentation :

Hyperparameter tuning involves adjusting the parameters that govern the training process of machine learning models to optimize their performance. It includes methods such as grid search, random search, and Bayesian optimization. Proper documentation helps in understanding the impact of different hyperparameters, streamlining the tuning process, and replicating results. Clear records of hyperparameter settings and their outcomes are essential for achieving the best model accuracy and efficiency.

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| **Model** | **Tuned Hyperparameters** | **Optimal Values** |
| Linear Regression |  |  |
| RandomForestRegressor |  |  |
| DecisionTree Regressor |  |  |
| XGBoost Regressor |  |  |

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