COMPARISON OF THE PERFORMANCE OF MODELS FOR TEST SET

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Method** | **ACC%** | **RECALL** | **PRECISION** | **F1-SCORE** | **SUPPORT** |
| **Logistic Regression** | 82.4 | 0.89 | 0.79 | 0.84 | 46 |
| **Gaussian Naive Bayes** | 82.4 | 0.89 | 0.79 | 0.84 | 46 |
| **Support Vector Machine** | 83.5 | 0.91 | 0.79 | 0.85 | 46 |
| **Random Forest** | 0.84 | 0.91 | 0.81 | 0.86 | 46 |
| **K Nearest Neighbours** | 87.9 | 0.87 | 0.80 | 0.83 | 46 |

COMPARISON OF THE PERFORMANCE OF MODELS FOR TRAINING SET

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Method** | **ACC%** | **RECALL** | **PRECISION** | **F1-SCORE** | **SUPPORT** |
| **Logistic Regression** | 86.2 | 0.76 | 0.87 | 0.81 | 45 |
| **Gaussian Naive Bayes** | 83.8 | 0.76 | 0.87 | 0.81 | 45 |
| **Support Vector Machine** | 92.4 | 0.76 | 0.89 | 0.82 | 45 |
| **Random Forest** | 0.87 | 0.91 | 0.87 | 0.89 | 118 |
| **K Nearest Neighbours** | 86.2 | 0.78 | 0.85 | 0.81 | 45 |