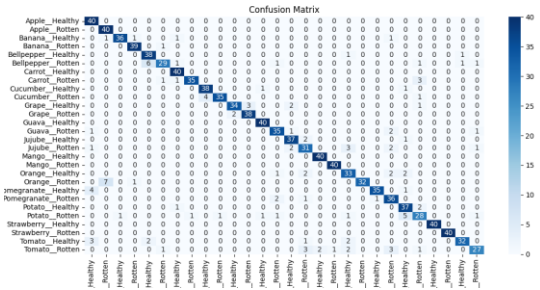


Project Development Phase  
Model Performance Test

|               |   |
|---------------|---|
| Date          | 27 June 2025  |
| Team ID       | LTVIP2025TMID59793  |
| Project Name  | Smart Sorting: Transfer Learning for Identifying Rotten Fruits and Vegetables |
| Maximum Marks | 10 Marks  |

Model Performance Testing:

| S.No.               | Parameter | Values   | Screenshot  |         |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
|---------------------|-----------|--|---|---------|-----------|--------|----------|---------|---------------|------|------|------|----|--------------|------|------|------|----|----------------|------|------|------|----|---------------|------|------|------|----|--------------------|------|------|------|----|-------------------|------|------|------|----|----------------|------|------|------|----|---------------|------|------|------|----|------------------|------|------|------|----|-----------------|------|------|------|----|---------------|------|------|------|----|--------------|------|------|------|----|---------------|------|------|------|----|--------------|------|------|------|----|----------------|------|------|------|----|---------------|------|------|------|----|---------------|------|------|------|----|--------------|------|------|------|----|----------------|------|------|------|----|---------------|------|------|------|----|---------------------|------|------|------|----|--------------------|------|------|------|----|----------------|------|------|------|----|---------------|------|------|------|----|--------------------|------|------|------|----|-------------------|------|------|------|----|----------------|------|------|------|----|---------------|------|------|------|----|----------|--|--|------|------|-----------|------|------|------|------|--------------|------|------|------|------|
| 1.                  | Metrics   | <div>Classification Model:<br/>Confusion Matrix - , Accuray<br/>Score- &amp; Classification<br/>Report -</div> | <div><div>Confusion Matrix</div><div>Classification Report</div><table><thead><tr><th></th><th>precision</th><th>recall</th><th>f1-score</th><th>support</th></tr></thead><tbody><tr><td>Apple_Healthy</td><td>0.82</td><td>1.00</td><td>0.90</td><td>40</td></tr><tr><td>Apple_Rotten</td><td>0.83</td><td>1.00</td><td>0.91</td><td>40</td></tr><tr><td>Banana_Healthy</td><td>0.97</td><td>0.90</td><td>0.94</td><td>40</td></tr><tr><td>Banana_Rotten</td><td>0.95</td><td>0.97</td><td>0.96</td><td>40</td></tr><tr><td>Bellpepper_Healthy</td><td>0.83</td><td>0.95</td><td>0.88</td><td>40</td></tr><tr><td>Bellpepper_Rotten</td><td>0.91</td><td>0.72</td><td>0.81</td><td>40</td></tr><tr><td>Carrot_Healthy</td><td>0.91</td><td>1.00</td><td>0.95</td><td>40</td></tr><tr><td>Carrot_Rotten</td><td>0.97</td><td>0.88</td><td>0.92</td><td>40</td></tr><tr><td>Cucumber_Healthy</td><td>0.90</td><td>0.95</td><td>0.93</td><td>40</td></tr><tr><td>Cucumber_Rotten</td><td>0.97</td><td>0.88</td><td>0.92</td><td>40</td></tr><tr><td>Grape_Healthy</td><td>0.94</td><td>0.85</td><td>0.89</td><td>40</td></tr><tr><td>Grape_Rotten</td><td>0.93</td><td>0.95</td><td>0.94</td><td>40</td></tr><tr><td>Guava_Healthy</td><td>0.95</td><td>1.00</td><td>0.98</td><td>40</td></tr><tr><td>Guava_Rotten</td><td>0.88</td><td>0.88</td><td>0.88</td><td>40</td></tr><tr><td>Jujube_Healthy</td><td>0.88</td><td>0.93</td><td>0.90</td><td>40</td></tr><tr><td>Jujube_Rotten</td><td>0.78</td><td>0.78</td><td>0.78</td><td>40</td></tr><tr><td>Mango_Healthy</td><td>0.95</td><td>1.00</td><td>0.98</td><td>40</td></tr><tr><td>Mango_Rotten</td><td>0.98</td><td>1.00</td><td>0.99</td><td>40</td></tr><tr><td>Orange_Healthy</td><td>0.79</td><td>0.82</td><td>0.80</td><td>40</td></tr><tr><td>Orange_Rotten</td><td>1.00</td><td>0.80</td><td>0.89</td><td>40</td></tr><tr><td>Pomegranate_Healthy</td><td>0.97</td><td>0.88</td><td>0.92</td><td>40</td></tr><tr><td>Pomegranate_Rotten</td><td>0.78</td><td>0.90</td><td>0.84</td><td>40</td></tr><tr><td>Potato_Healthy</td><td>0.79</td><td>0.93</td><td>0.85</td><td>40</td></tr><tr><td>Potato_Rotten</td><td>0.76</td><td>0.70</td><td>0.73</td><td>40</td></tr><tr><td>Strawberry_Healthy</td><td>1.00</td><td>1.00</td><td>1.00</td><td>40</td></tr><tr><td>Strawberry_Rotten</td><td>1.00</td><td>1.00</td><td>1.00</td><td>40</td></tr><tr><td>Tomato_Healthy</td><td>0.94</td><td>0.80</td><td>0.86</td><td>40</td></tr><tr><td>Tomato_Rotten</td><td>0.87</td><td>0.68</td><td>0.76</td><td>40</td></tr><tr><td>accuracy</td><td></td><td></td><td>0.90</td><td>1120</td></tr><tr><td>macro avg</td><td>0.90</td><td>0.90</td><td>0.90</td><td>1120</td></tr><tr><td>weighted avg</td><td>0.90</td><td>0.90</td><td>0.90</td><td>1120</td></tr></tbody></table><div>PS D:\526\smart_sorting&gt;</div></div> |         | precision | recall | f1-score | support | Apple_Healthy | 0.82 | 1.00 | 0.90 | 40 | Apple_Rotten | 0.83 | 1.00 | 0.91 | 40 | Banana_Healthy | 0.97 | 0.90 | 0.94 | 40 | Banana_Rotten | 0.95 | 0.97 | 0.96 | 40 | Bellpepper_Healthy | 0.83 | 0.95 | 0.88 | 40 | Bellpepper_Rotten | 0.91 | 0.72 | 0.81 | 40 | Carrot_Healthy | 0.91 | 1.00 | 0.95 | 40 | Carrot_Rotten | 0.97 | 0.88 | 0.92 | 40 | Cucumber_Healthy | 0.90 | 0.95 | 0.93 | 40 | Cucumber_Rotten | 0.97 | 0.88 | 0.92 | 40 | Grape_Healthy | 0.94 | 0.85 | 0.89 | 40 | Grape_Rotten | 0.93 | 0.95 | 0.94 | 40 | Guava_Healthy | 0.95 | 1.00 | 0.98 | 40 | Guava_Rotten | 0.88 | 0.88 | 0.88 | 40 | Jujube_Healthy | 0.88 | 0.93 | 0.90 | 40 | Jujube_Rotten | 0.78 | 0.78 | 0.78 | 40 | Mango_Healthy | 0.95 | 1.00 | 0.98 | 40 | Mango_Rotten | 0.98 | 1.00 | 0.99 | 40 | Orange_Healthy | 0.79 | 0.82 | 0.80 | 40 | Orange_Rotten | 1.00 | 0.80 | 0.89 | 40 | Pomegranate_Healthy | 0.97 | 0.88 | 0.92 | 40 | Pomegranate_Rotten | 0.78 | 0.90 | 0.84 | 40 | Potato_Healthy | 0.79 | 0.93 | 0.85 | 40 | Potato_Rotten | 0.76 | 0.70 | 0.73 | 40 | Strawberry_Healthy | 1.00 | 1.00 | 1.00 | 40 | Strawberry_Rotten | 1.00 | 1.00 | 1.00 | 40 | Tomato_Healthy | 0.94 | 0.80 | 0.86 | 40 | Tomato_Rotten | 0.87 | 0.68 | 0.76 | 40 | accuracy |  |  | 0.90 | 1120 | macro avg | 0.90 | 0.90 | 0.90 | 1120 | weighted avg | 0.90 | 0.90 | 0.90 | 1120 |
|                     | precision | recall   | f1-score  | support |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| Apple_Healthy       | 0.82      | 1.00   | 0.90  | 40      |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| Apple_Rotten        | 0.83      | 1.00   | 0.91  | 40      |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| Banana_Healthy      | 0.97      | 0.90   | 0.94  | 40      |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| Banana_Rotten       | 0.95      | 0.97   | 0.96  | 40      |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| Bellpepper_Healthy  | 0.83      | 0.95   | 0.88  | 40      |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| Bellpepper_Rotten   | 0.91      | 0.72   | 0.81  | 40      |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| Carrot_Healthy      | 0.91      | 1.00   | 0.95  | 40      |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| Carrot_Rotten       | 0.97      | 0.88   | 0.92  | 40      |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| Cucumber_Healthy    | 0.90      | 0.95   | 0.93  | 40      |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| Cucumber_Rotten     | 0.97      | 0.88   | 0.92  | 40      |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| Grape_Healthy       | 0.94      | 0.85   | 0.89  | 40      |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| Grape_Rotten        | 0.93      | 0.95   | 0.94  | 40      |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| Guava_Healthy       | 0.95      | 1.00   | 0.98  | 40      |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| Guava_Rotten        | 0.88      | 0.88   | 0.88  | 40      |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| Jujube_Healthy      | 0.88      | 0.93   | 0.90  | 40      |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| Jujube_Rotten       | 0.78      | 0.78   | 0.78  | 40      |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| Mango_Healthy       | 0.95      | 1.00   | 0.98  | 40      |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| Mango_Rotten        | 0.98      | 1.00   | 0.99  | 40      |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| Orange_Healthy      | 0.79      | 0.82   | 0.80  | 40      |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| Orange_Rotten       | 1.00      | 0.80   | 0.89  | 40      |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| Pomegranate_Healthy | 0.97      | 0.88   | 0.92  | 40      |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| Pomegranate_Rotten  | 0.78      | 0.90   | 0.84  | 40      |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| Potato_Healthy      | 0.79      | 0.93   | 0.85  | 40      |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| Potato_Rotten       | 0.76      | 0.70   | 0.73  | 40      |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| Strawberry_Healthy  | 1.00      | 1.00   | 1.00  | 40      |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| Strawberry_Rotten   | 1.00      | 1.00   | 1.00  | 40      |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| Tomato_Healthy      | 0.94      | 0.80   | 0.86  | 40      |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| Tomato_Rotten       | 0.87      | 0.68   | 0.76  | 40      |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| accuracy            |           |  | 0.90  | 1120    |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| macro avg           | 0.90      | 0.90   | 0.90  | 1120    |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |
| weighted avg        | 0.90      | 0.90   | 0.90  | 1120    |           |        |          |         |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                  |      |      |      |    |                 |      |      |      |    |               |      |      |      |    |              |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |               |      |      |      |    |              |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                     |      |      |      |    |                    |      |      |      |    |                |      |      |      |    |               |      |      |      |    |                    |      |      |      |    |                   |      |      |      |    |                |      |      |      |    |               |      |      |      |    |          |  |  |      |      |           |      |      |      |      |              |      |      |      |      |