| Terms | ANN | CNN | DNN | MobileNet | EfficientNet | ShuffelNet |
| --- | --- | --- | --- | --- | --- | --- |
| Total No. of parameters | 51585 | 158337 | 191937 | 2340033 | 4131620 | 18114 |
| FLOPs (Floating Point Operations) | 102689 | 1865729 | 382865 | 612890241 | 800949208 | 446592 |
| Model Size (in MB) | 0.66 | 1.87 | 2.29 | 10.06 | 17.08 | 0.08 |
| Running Time (in sec) | 0.09 | 0.10 | 0.09 | 5.21 | 8.79 | 0.004 |
| Accuracy | 98.75% | 98.75% | 100% | 100 % | 64.99% | 98.75% |

**Diabetes Dataset**

Table 1. Comparison of models based on computational cons and accuracy of Diabetes Dataset

| Terms | ANN | CNN | DNN | MobileNet | EfficientNet | ShuffleNet |
| --- | --- | --- | --- | --- | --- | --- |
| Total No. of parameters | 47489 | 158337 | 183745 | 2340033 | 4131620 | 18114 |
| FLOPs (Floating Point Operations) | 94497 | 667649 | 366481 | 612890241 | 800949208 | 149120 |
| Model Size (in MB) | 0.61 | 1.87 | 2.20 | 10.06 | 17.08 | 0.08 |
| Running Time (in sec) | 0.09 | 0.10 | 0.10 | 9.61 | 14.89 | 0.003 |
| Accuracy | 72.07% | 73.37% | 72.72% | 76.62% | 64.28% | 72.07% |

**Kidney Dataset**

Table 2. Comparison of models based on computational cons and accuracy of Kidney Disease Dataset