|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S.NO | MODEL | ACCURACY | PRECISION | SENSITIVITY | F1 SCORE | SPECIFICITY |
| 1 | TINY VIT | 57.08 | 0.6399 | 0.5708 | 0.5980 | - |
| 2 | RESNET 50 | 45.48 | 0.5784 | 0.4548 | 0.5008 | 0.7801 |
| 3 | DENSENET 121 | 63.86 | 0.59 | 0.57 | 0.57 | 0.82 |
| 4 | GOOGLENET | 58.28 | 0.59 | 0.55 | 0.55 | 0.81 |
| 5 | DENSENET 121 WITH SELF ATTENTION | 61.90 | 0.57 | 0.55 | 0.56 | 0.82 |
| 6 | DENSENET 121 WITH SPATIAL ATTENTION | 64.76 | 0.56 | 0.56 | 0.56 | 0.83 |
| 7 | MOBILENET\_v2 | 60.69 | 0.58 | 0.55 | 0.56 | 0.82 |
| 8 | EFFICIENTNET\_b0 | 55.42 | 057 | 0.53 | 0.53 | 0.80 |
| 9 | DENSENET121 WITH MSCA | 58.73 | 0.57 | 0.53 | 0.54 | 0.81 |
| 10 | RESNET50 WITH MSCA | 55.72 | 0.62 | 0.55 | 0.58 | 0.80 |
| 11 | RESNET50 WITH SELF ATTENTION | 52.56 | 0.6046 | 0.5256 | 0.5553 | 0.7917 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Liver cirrhosis stage | Model | Prec(%)↑ | Sens(%)↑ | Spec(%)↑ | F1(%)↑ |
| 1  mild | TINY VIT | 80.62 | 66.57 | 82.17 | 72.93 |
| RESNET 50 | 77.25 | 51.43 | 83.12 | 61.75 |
| DENSENET 121 | 85 | 78 | 84 | 81 |
| GOOGLENET | 85 | 65 | 88 | 73 |
| DENSENET 121 WITH SELF ATTENTION | 87 | 75 | 88 | 81 |
| DENSENET 121 WITH SPATIAL ATTENTION | 85 | 81 | 83 | 83 |
|  | EFFICIENTNET\_b0 | 85 | 60 | 89 | 70 |
|  | MOBILENET\_v2 | 87 | 72 | 88 | 56 |
|  | DENSENET121 WITH MSCA | 85 | 69 | 86 | 76 |
|  | RESNET50 WITH MSCA | 80 | 60 | 83.44 | 68.84 |
|  | RESNET50 WITH SELF ATTENTION | 77.86 | 58.29 | 81.53 | 66.67 |
| 2  moderate | TINY VIT | 20.83 | 33.83 | 67.80 | 25.79 |
| RESNET 50 | 7.94 | 15.04 | 56.31 | 10.39 |
| DENSENET 121 | 22 | 32 | 73 | 26 |
| GOOGLENET | 21 | 39 | 64 | 28 |
| DENSENET 121 WITH SELF ATTENTION | 23 | 34 | 71 | 27 |
| DENSENET 121 WITH SPATIAL ATTENTION | 17 | 18 | 78 | 17 |
|  | MOBILENET\_v2 | 23 | 38 | 68 | 28 |
|  | EFFICIENTNET\_b0 | 21 | 41 | 61 | 28 |
|  | DENSENET121 WITH MSCA | 20 | 33 | 66 | 25 |
|  | RESNET50 WITH MSCA | 18.27 | 27.07 | 69.68 | 21.82 |
|  | RESNET50 WITH SELF ATTENTION | 15.47 | 25.56 | 65.73 | 19.48 |
| 3  severe | TINY VIT | 63.52 | 55.80 | 87.99 | 59.41 |
| RESNET 50 | 56.98 | 56.35 | 84.06 | 56.67 |
| DENSENET 121 | 71 | 60 | 91 | 65 |
| GOOGLENET | 70 | 60 | 90 | 65 |
| DENSENET 121 WITH SELF ATTENTION | 62 | 57 | 87 | 59 |
| DENSENET 121 WITH SPATIAL ATTENTION | 66 | 67 | 87 | 66 |
|  | MOBILENET\_v2 | 65 | 55 | 89 | 60 |
|  | EFFICIENTNET\_b0 | 66 | 57 | 89 | 61 |
|  | DENSENET121 WITH MSCA | 66 | 57 | 89 | 62 |
|  | RESNET50 WITH MSCA | 60.29 | 67.96 | 83.23 | 63.90 |
|  | RESNET50 WITH SELF ATTENTION | 59.68 | 61.33 | 84.47 | 60.49 |

DENSENET 121 WITH SPATIAL ATTENTION





