Table 1: Extracted computer vision features using proposed CDSAE-TCNN

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| Feature Number  | Feature Name | Description |
| 1 | MAP | Mean square error is the average variance between actual and estimated values |
| 2 | PSNR | Peak signal to noise ratio is the ratio between maximum signal power and corrupted noise |
| 3 | SIM | Structural similarity index measure is the quality of cinematic and television pictures |
| 4 | RGB | The percentage of image red, green and blue color value |
| 5 | HSV | The percentage of image hue, saturation, and value |
| 6 | Histogram | Based on image brightness, it plots the no. of pixels in the image or frames |
| 7 | Luminance | Total image brightness mean value |
| 8 | Variance | Variance of image |
| 9 | Edge-Density | The ratio between edge pixel and total pixel of the image |
| 10 | DCT | Discrete Cosine transform: Image DCT bias value |