

## EXPERIMENT 1

**Aim :** To find the best image settings to get good natural colour image.

### ➤ Varying Brightness



Fig 1 : Brightness at 30%



Fig 2 : Brightness at 60%



Fig 3 : Brightness at 90%

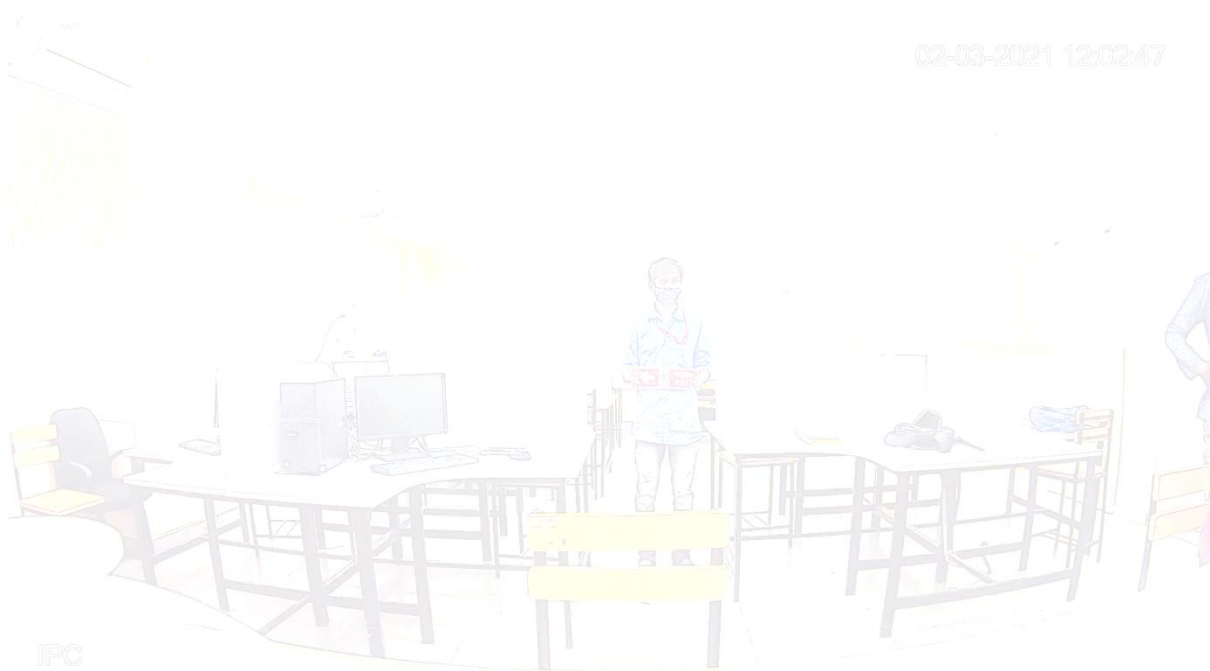


Fig 4 : Brightness at 114%

➤ Varying Contrast

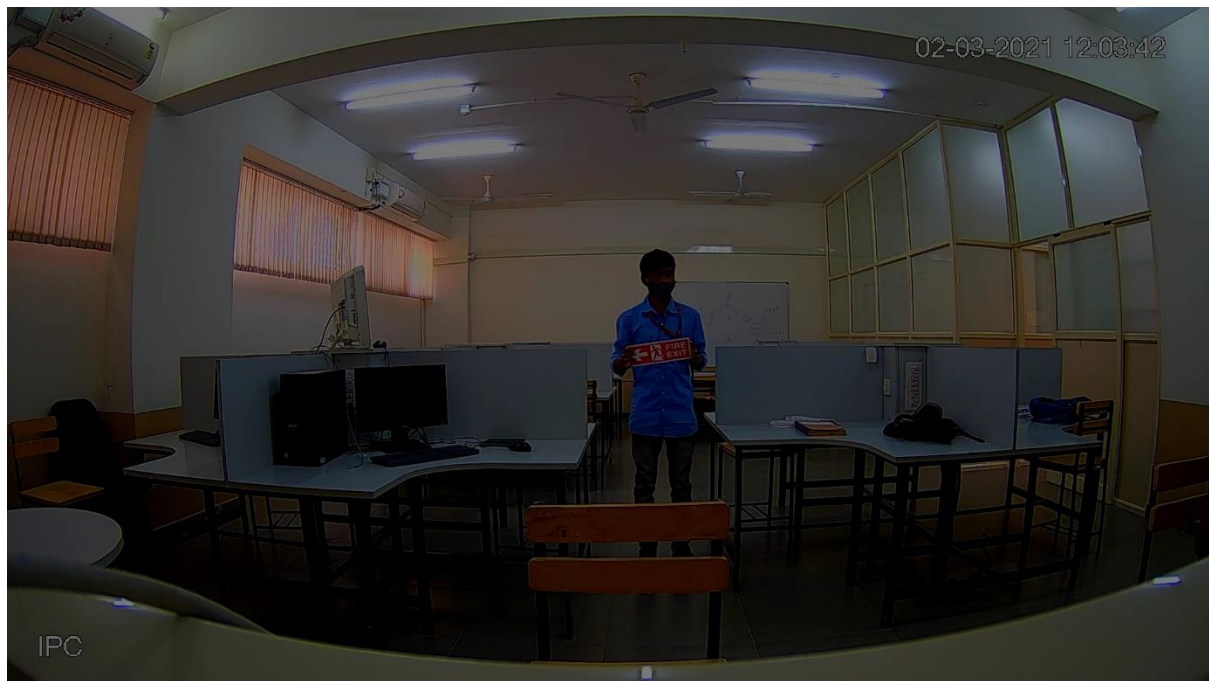


Fig 5 : Contrast at 30%



Fig 6 : Contrast at 60%





Fig 7 : Contrast at 90%



Fig 8 : Contrast at 128%

## ➤ Varying Sharpness



Fig 9 : Sharpness at 0%



Fig 10 : Sharpness at 25%





Fig 11 : Sharpness at 50%



Fig 12 : Sharpness at 75%



Fig 13 : Sharpness at 100%

➤ Varying Saturation



Fig 14 : Saturation at 0%





Fig 15 : Saturation at 30%

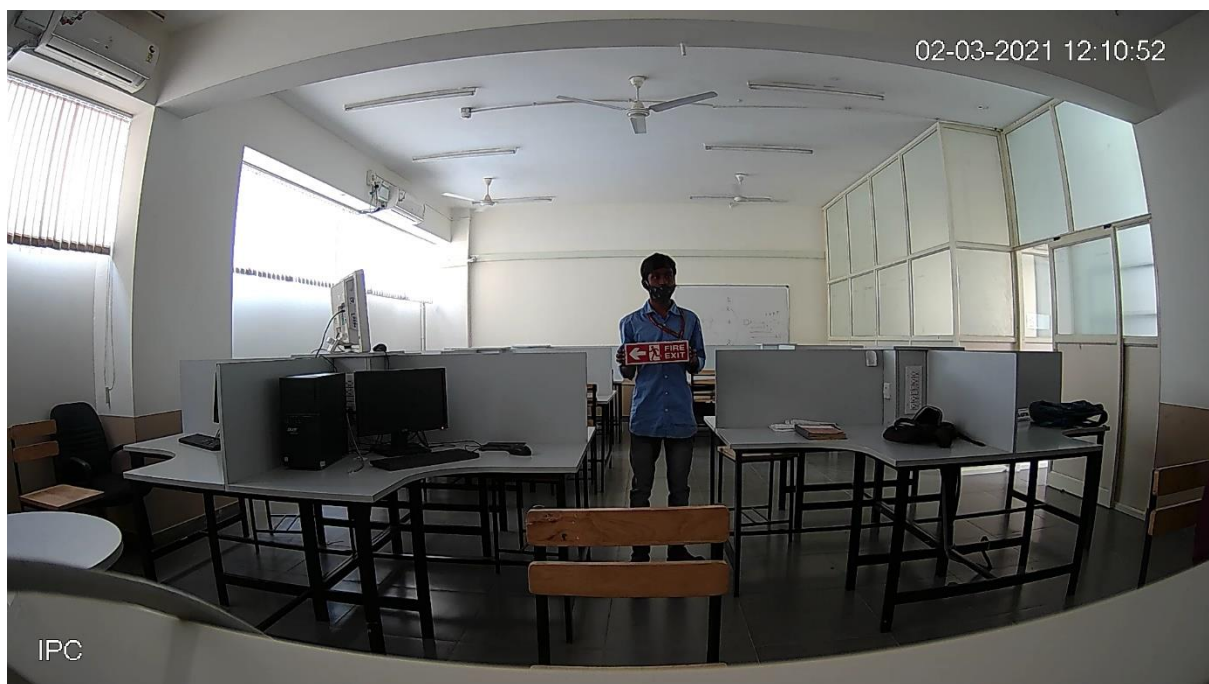


Fig 16 : Saturation at 60%





Fig 17 : Saturation at 90%



Fig 18 : Saturation at 128%

## Conclusion :

Best settings to get good natural colour image :

- Brightness at 60%
- Contrast at 70%
- Sharpness at 75%
- Saturation at 90%

## ❖ Additional settings to get good colour image

- BLC (Back light compensation) ON/OFF

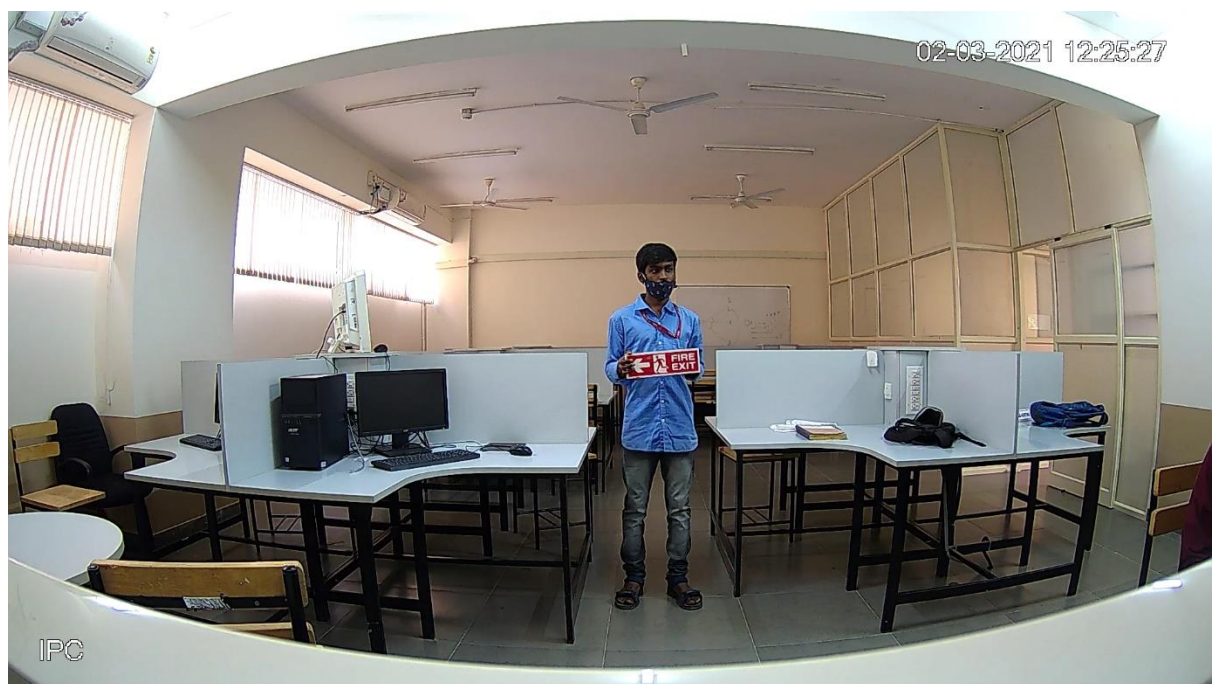


Fig 19 : Snapshot when backlight compensation is off



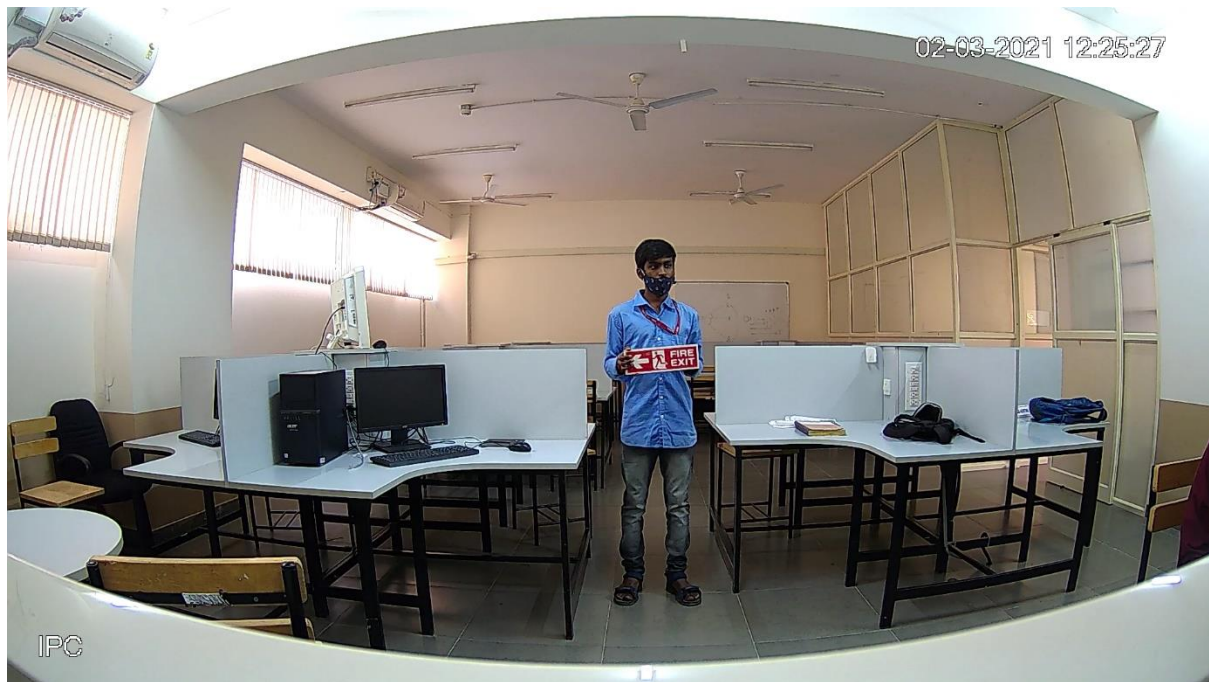


Fig 20 : Snapshot when backlight compensation is on

➤ WHITE BALANCE Outdoor/indoor/auto

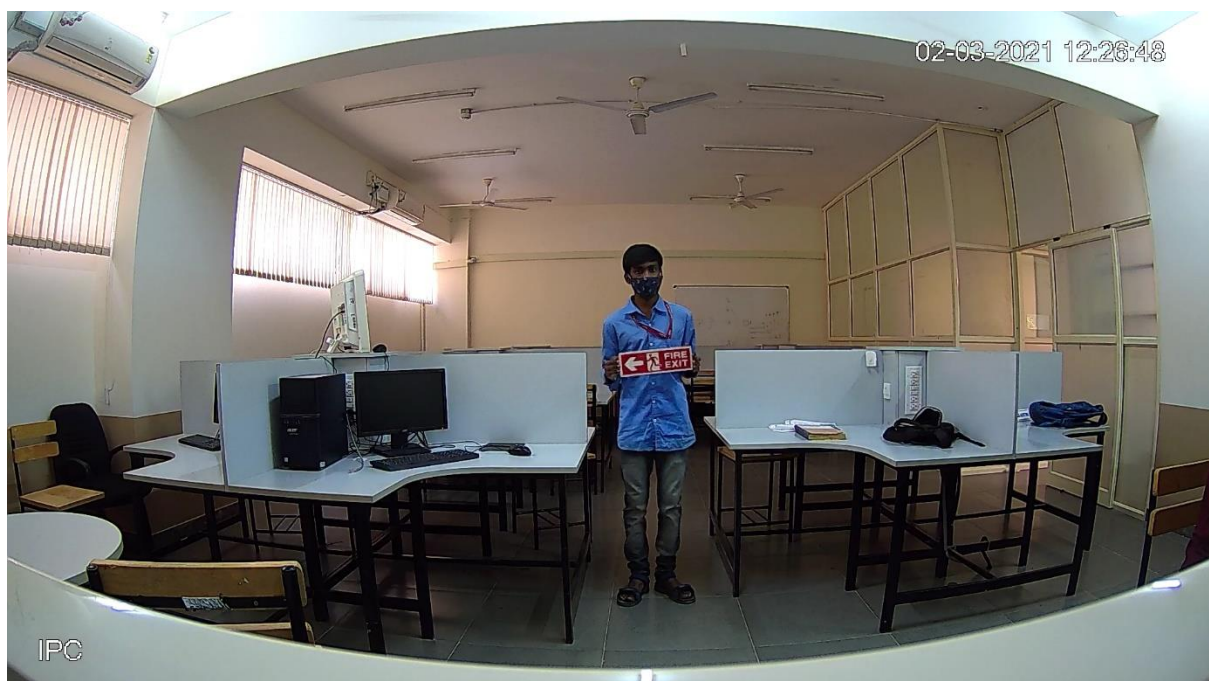


Fig 21 : Snapshot when white balance is on auto mode



Fig 22 : Snapshot when white balance is on outdoor mode



Fig 23 : Snapshot when white balance is on natural mode

-The images are clearer when backlight compensation is on and white balance is on outdoor mode