Nowadays, the fabrication process of LCDs has become more advanced. Keen competition and intense activity in the enormous market have led companies to strive for improvement in the performance of the display units. Contrast ratio, which is the ratio of the luminance of the white color to that of the black color, is often the main focus of enhancement. Increasing the contrast ratio without sacrificing low power consumption, and low production cost, is currently the goal of many companies, but this is a difficult challenge.

**Methodology**

There are two methods to produce LC cell: photo-alignment and Rubbing. Rubbing. This method requires a mechanical arm to roll on the surface of the alignment. photo-alignment: A new non-contact alignment technique looks very promising for FLC display, due to its advantage of avoiding contact with the surface. For example, the application of UV light.

**Aim and objective:**

To produce an optimized Field Sequential Color (FSC) LCD by using the photo-alignment method through which the performance should be better than the ordinary Rubbing method.

To offer fast response time, vivid color, wide viewing cone and low cost, which could be beneficial to use in wide aspect. While the photo-alignment method can reduce defects in the fabrication of cells, and can be applied to a larger area when rubbing becomes in adequate.