**List of experiments for Virtual Optics Lab**

1. To determine the Cauchy’s constant of the given prism.
2. To determine the dispersive power of prism
3. (a) To determine the number of lines per millimetre of the grating using the green line of the mercury spectrum.

(b) To calculate the wavelength of the other prominent lines of mercury by normal incidence method.

4. To determine the refractive index of a thin glass plate using Michelson interferometer.

5. To determine the wavelength of a laser using the Michelson interferometer.

6. To find the refractive index of given liquid using Newton’s ring set up.

7. To calculate the beam divergence and spot size of the given laser beam.

8. To verify the Brewster's law and to find the Brewster's angle.

9. To find the elastic constants of the Perspex beam using Cornus interference method.