* **Objectives**

***Diffraction of Light*** experiment aims to achieve three main objectives:

1. Studying Diffraction patterns of both single & double slits under laser illumination
2. Measuring wavelength of Helium-Neon laser from diffraction patterns
3. Determining the separation distance between the slits using diffraction patterns

* **Result & Discussion**

1. In double- slit diffraction, we have a situation called “missing orders”, briefly discuss the condition of this phenomenon, and calculate the first 3 missing orders?
2. Find percentage error in the He-Ne laser wavelength?
3. Provide possible sources of error?
4. Explain, why the screen is placed 2 m from the slits?

* **Conclusion**
* **Source of error**