Report on Astronomy Club Workshop – 3

Date: 16th May 2025

Classes: VI to IX

The third session of the ongoing astronomy workshop aimed to blend scientific knowledge with practical learning and was divided into two main modules: DSLR Camera Photography and Timekeeping using Sundials.

In the first part of the session, students were introduced to the basics of DSLR camera photography. They learned about key concepts such as exposure, shutter speed, ISO, and focal length. With hands-on activities, students explored how changing these settings affects image quality, especially under varying lighting conditions. This practical experience helped students to understand the connection between technology and observation in scientific studies.

The second module focused on the concept of timekeeping. Students discussed how time has been measured throughout history and the development of early timekeeping devices such as sundials. They also explored the difference between local time and Indian Standard Time (IST), and learned how sundials can be used to determine local time. The concept of the equation of time was introduced in a simplified manner to help students understand the variations in solar time.

The session concluded with a creative activity in which students made their own sundials using simple materials. The workshop successfully encouraged students to apply scientific principles through observation and experimentation. It also sparked curiosity about astronomy and the tools used in studying celestial phenomena.