

## Report on Visit to the Science Museum, CSLC, Shoghi

Date: 30/11/2004

Location: Science Museum, Shoghi

Today, our visit to the Science Museum in Shoghi was an enlightening and engaging experience that combined learning, exploration, and fun-filled activities.





## Arrival and Initial Observations





Albert Einstein  
Theoretical physicist

We began our visit by exploring the museum grounds, where pictures of eminent scientists like Vikram Sarabhai, Rabindranath Tagore, Raja Kamannam, and M. S. Swaminathan were displayed, along with their thought-provoking quotes. These exhibits set the tone for a day of inspiration and discovery.

### **Exploring the Museum**



As we navigated through the museum, each floor offered unique insights into the world of science:



2nd Floor: Hall of Fame



This floor celebrated the achievements of notable scientists and innovators.

### **3rd Floor: Auditorium**

The third floor housed an auditorium where we attended an engaging session. The session covered several exciting topics:

A presentation by **Mukesh Sir**, who introduced us to the overarching themes of the museum and its exhibits.

An **ISRO video**, which provided insights into the Indian Space Research Organisation's innovations and contributions to space exploration.

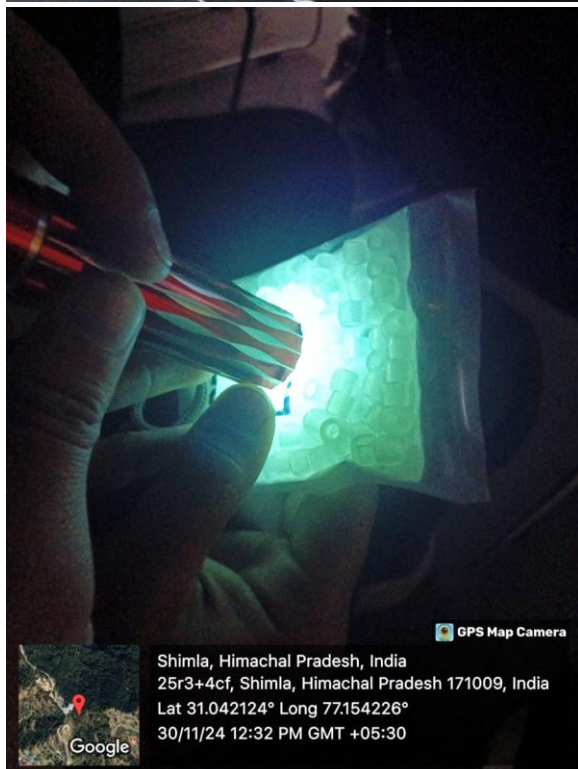
Information about the **Indian Planetary Society**, which emphasized the importance of public engagement in space science.

### **Special Interactions and Learnings**

The auditorium session featured a fascinating talk by **Sam Gibbs**, an eminent astronomer based in Malaysia and co-founder of **Ditanium**. His insights into modern astronomy were enlightening, particularly his explanation of advanced technologies in space observation. Additionally, he showcased the use of filters for astronomical observation.

### **Interactive Demonstrations**

Sam Gibbs introduced us to several fascinating experiments and technologies:

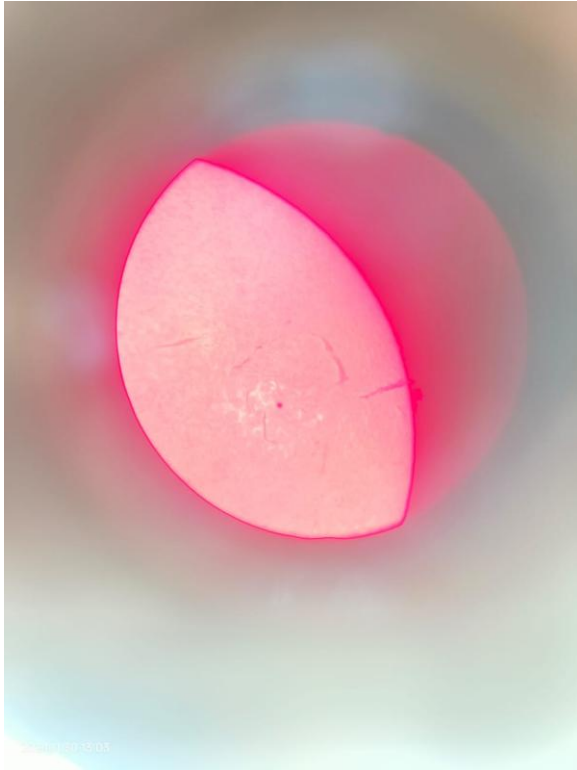


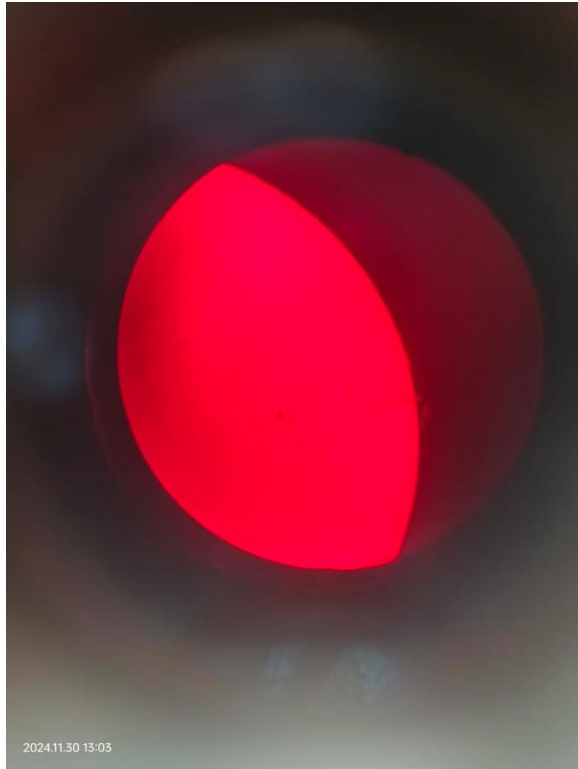
**1. Tesla Box Experiment:** He showcased this experiment, demonstrating the principles of electricity and magnetism in an exciting and interactive way.

**2. Infrared Camera:** This device allowed us to see the infrared radiations emitted from our bodies, providing insights into thermal imaging technology.

**3. Spectrum Glasses:** These special glasses enabled us to observe unique spectrums of light, further enhancing our understanding of light and optics.

**4. Solar Observation:** Using a special telescope, we had the incredible opportunity to observe the sun alongside Sam Gibbs, gaining a deeper appreciation for astronomy. He explained that sunspots are temporary regions on the Sun's photosphere that appear darker because they are cooler than the surrounding areas. These cooler temperatures are caused by intense magnetic activity, which inhibits convection and reduces heat flow to the surface.





## Exploration and Exhibits

After the session, we explored various exhibits within the museum. Notable highlights included:

The "**All Cones Go Uphill**" experiment demonstrates a fascinating principle of physics involving the **center of gravity** and **optical illusions**.

**"Bhanvar" (Vortex):** A display explaining vortex formation and dynamics, which captivated our attention.

Numerous other scientific models and experiments, which deepened our curiosity and understanding of fundamental concepts.

### **Adventure and Conclusion**

Post museum exploration, we headed to an adventure camp where we enjoyed thrilling activities that tested our physical and mental agility.

Following this, we relished a delightful lunch, and the day concluded on a high note with a jam session, bringing everyone together in a spirit of joy and camaraderie.





## **Conclusion**

The visit to the Science Museum in Shoghi was a perfect blend of education and entertainment. From observing advanced scientific technologies to engaging in fun-filled activities, the experience was both inspiring and memorable. It left us with a renewed sense of curiosity and a deeper appreciation for the wonders of science.