

EDUCATIONAL TOUR REPORT

Organized by: PG Department of Economics

Institution: Sri Guru Teg Bahadur Khalsa College, Sri Anandpur Sahib

Venue: Pushpa Gujral Science City, Kapurthala, Jalandhar, Punjab.

Date of Visit: 26th September 2025

The PG Department of Economics, Sri Guru Teg Bahadur Khalsa College, Sri Anandpur Sahib, organized an educational excursion to Pushpa Gujral Science City on 26th September 2025. The primary objective of the visit was to provide students with a practical and interactive learning experience outside the classroom, enabling them to better understand scientific concepts and their relevance to society.

Objectives of the Tour

The major objectives of this educational excursion were:

To enhance students' understanding of echoes through virtual interactive exhibits and live demonstrations.

To explore and experience healthy ecosystems through an immersive virtual show.

To raise awareness of crucial issues such as renewable energy, climate change, and water conservation through science exhibits.

To connect theoretical knowledge with real-world applications, promoting scientific temper and critical thinking.

Activities and Experiences

a) Interactive Exhibit on Echoes

Students participated in a hands-on exhibit explaining echo formation. The virtual demonstrations allowed them to:

Understand how sound waves travel and reflect.

Relate these scientific principles to everyday life situations and applications such as sonar, medical imaging, and architecture.

b) Immersive Virtual Show on Healthy Ecosystems

A highlight of the tour was the Immersive Virtual Reality Show on ecosystems. Students were virtually transported to rainforests, wetlands, and coral reefs, where they could:

Observe biodiversity and food chains in action.

Learn about the delicate balance of ecosystems and human impact on them.

Explore solutions for preserving ecosystems and promoting sustainable development.

c) Exhibits on Renewable Energy, Climate Change, and Water Conservation

The Science City hosts a series of interactive models and exhibits on pressing global challenges. Students explored:

Renewable energy sources (solar, wind, biomass) and their role in reducing carbon footprints.

Climate change awareness modules, focusing on causes, impacts, and mitigation strategies.

Water conservation displays, highlighting rainwater harvesting, wastewater management, and efficient usage.

These exhibits provided a practical understanding of environmental economics, aligning well with the academic curriculum.

Learning Outcomes:

The educational tour proved to be a highly enriching experience for the students. Key outcomes included:

Conceptual clarity on sound, echoes, and environmental processes.

Exposure to cutting-edge technology, like virtual reality, to visualize complex scientific phenomena.

Awareness of sustainable practices and the urgent need to address global environmental challenges.
Development of critical thinking skills and a spirit of scientific inquiry.
Strengthened bonding and teamwork among students through collaborative exploration.
The educational excursion to Pushpa Gujral Science City was a fruitful and memorable learning experience. It successfully met its objectives of bridging theoretical learning with practical exposure. Students returned with a deeper appreciation for science, technology, and sustainable development. Dr.Shaveta Kaushal Assistant Professor and Head Organised this educational tour and Ms.Manpreet Kaur outcrastated the tour.

