

Report

on

Educational Trip to Science City Kapurthala, Jalandhar, Punjab

(21/11/2023 to 23/11/2023)

As part of the initiatives under the DBT Star College Scheme, Government College Sanjauli organized an enriching educational visit to Science City, Kapurthala, Jalandhar. The visit aimed to foster scientific curiosity and provide hands-on experience with various scientific concepts for participating students. A total of [insert number] students, including 4 students from Government College Theog, participated in this insightful trip.



Objectives of the Visit:

1. To enhance students' understanding of various scientific phenomena through interactive exhibits and demonstrations.
2. To provide exposure to emerging technologies and their practical applications.
3. To stimulate interest in STEM (Science, Technology, Engineering, and Mathematics) disciplines among students.

Overview of Science City:

Science City Kapurthala is one of the premier institutions for scientific education and entertainment in India. It features state-of-the-art galleries, exhibits on space science, health and biotechnology, climate change, robotics, and more. The visit provided an opportunity for the students to explore various scientific fields in an engaging and interactive environment.

Activities and Learning Outcomes:

1. **3D Theatre and Space Gallery:**

Students were introduced to the mysteries of the universe, space exploration, and our solar system. The visual experience was not only immersive but also provided a deeper understanding of astronomical concepts.

2. **Biotechnology Gallery:**

This section featured exhibits on the applications of biotechnology in agriculture, health, and industry. Students learned about genetically modified organisms (GMOs), DNA fingerprinting, and the role of biotechnology in modern science.

3. **Climate Change Exhibit:**

With the ongoing global climate crisis, students had the opportunity to understand the science behind climate change, its impact on ecosystems, and the importance of sustainable practices. The interactive models highlighted the urgent need for environmental conservation.

4. **Energy Park:**

The visit to the Energy Park allowed students to observe renewable energy technologies, such as solar, wind, and hydro energy. The students were able to gain insights into the potential of these technologies in addressing global energy challenges.

5. **Robotics and Artificial Intelligence (AI):**

This section exposed the students to the evolving world of robotics and AI. Students interacted with robots and learned about their growing role in various sectors, including healthcare, manufacturing, and space exploration.

6. **Health and Biotechnology:**

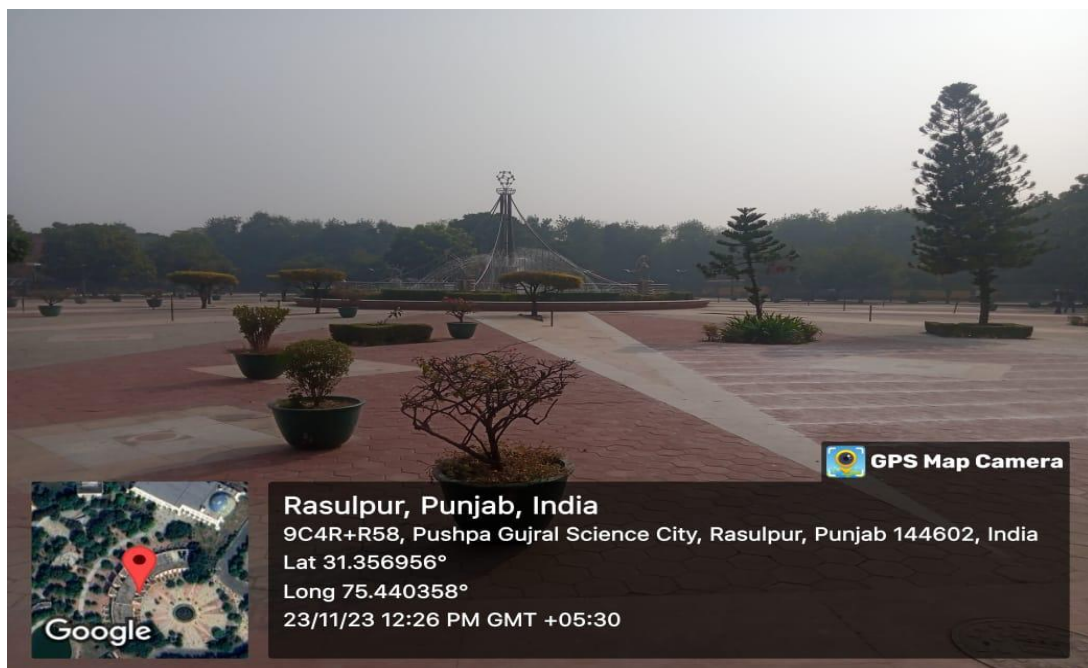
The students explored various models and simulations that explained different aspects of human health, medical technologies, and the importance of nutrition and hygiene. The hands-on experience made complex concepts more accessible to the students.

Participation of Government College Theog:

The inclusion of 4 students from Government College Theog in this visit underlines the collaborative spirit of educational institutions in fostering scientific education. Their active participation added diversity to the group, encouraging knowledge sharing and cultural exchange.

Feedback and Conclusion:

The visit to Science City Kapurthala was a resounding success. Students expressed their excitement and appreciation for the opportunity to learn in such an engaging environment. The hands-on exhibits and interactive displays sparked curiosity, and many students showed a renewed interest in pursuing scientific studies. The trip also provided a platform for peer interaction and collaborative learning, which enhanced the overall experience.



Such visits under the DBT Star College Scheme are instrumental in shaping young minds and building a strong foundation in science. The participants returned with a deeper understanding of science and technology and a stronger desire to contribute to these fields in the future.

This educational trip reinforced the importance of experiential learning and highlighted the role of science in solving real-world problems.

Total No of Students participated = 4

| S. No | Name | Class | Roll No |
|-------|-----------------|--------------------------|----------|
| 1 | Vinkal Kainthla | BSc 1 st Year | 2315010 |
| 2 | Anish Sharma | BSc 1 st Year | 2315001 |
| 3 | Rahul Kainthla | BSc 2 nd Year | 21310006 |
| 4 | Varun Sharma | BSc 2 nd Year | 21310009 |

