

REPORT ON EDUCATIONAL VISIT

Name of the Programme : **Educational Visit to Raman Science Centre
Nagpur (2024)**

Date of the Programme : 11/03/2024

Number of Participants : 38

Hosted by : Raman Science Centre Nagpur

Resource Person : Faculties and Students of Physics Department

Educational visit is a crucial component of the academic program because they give students the chance to learn outside of the classroom and get useful practical experience. There is a proverb that goes,

“I hear and I forget, I see and I remember, I do and I comprehend.”

It refers to the idea that seeing something being done in a certain location helps people remember it better.

OBJECTIVES OF THE VISIT

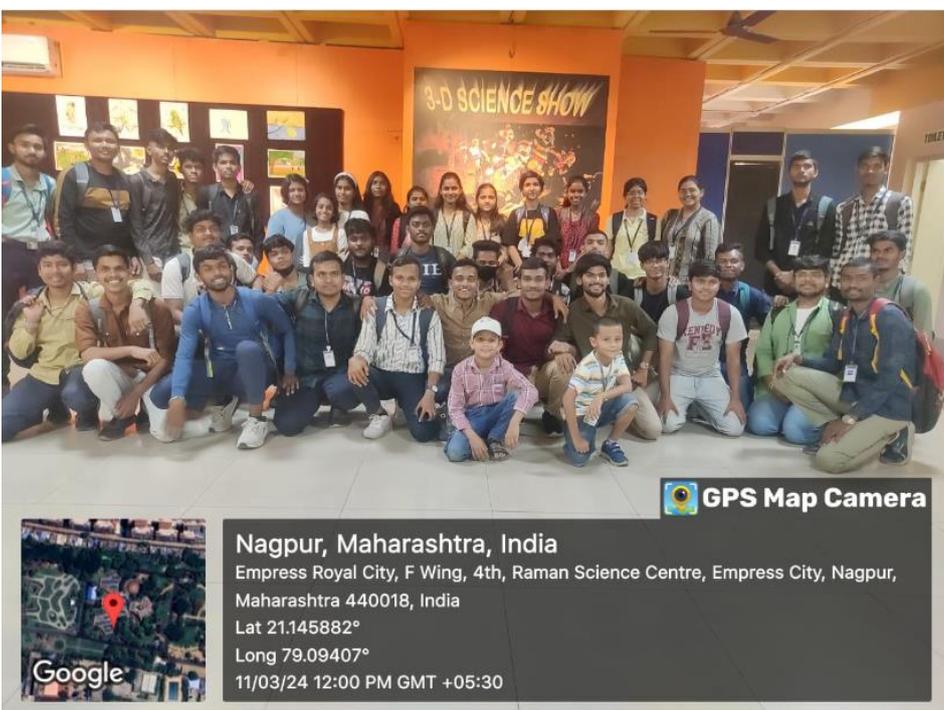
1. To enhance students' understanding of scientific concepts through interactive exhibits and demonstrations.
2. To expose students to the applications of science and technology in everyday life.
3. To inspire curiosity and critical thinking among students through hands-on activities and experiments.
4. To provide students with an opportunity to explore branches of science, physics, chemistry, biology, and astronomy.
5. To build life skills such as teamwork, communication, problem solving skills and decision making that are only obtained through life experience.

Activities :

We planned the educational visit at Raman Science Centre, Nagpur with above mentioned objectives. This centre houses a vast collection of exhibits that showcase the latest advancements in science and technology. It is an excellent

opportunity for students to learn about various scientific phenomena, including electricity, magnetism, acoustic, optics and many more. The exhibits are interactive, allowing students to participate in hands-on activities that help them understand the concepts better. The museum visit is relevant to the tour's theme of promoting scientific knowledge and encouraging students to pursue careers in science.

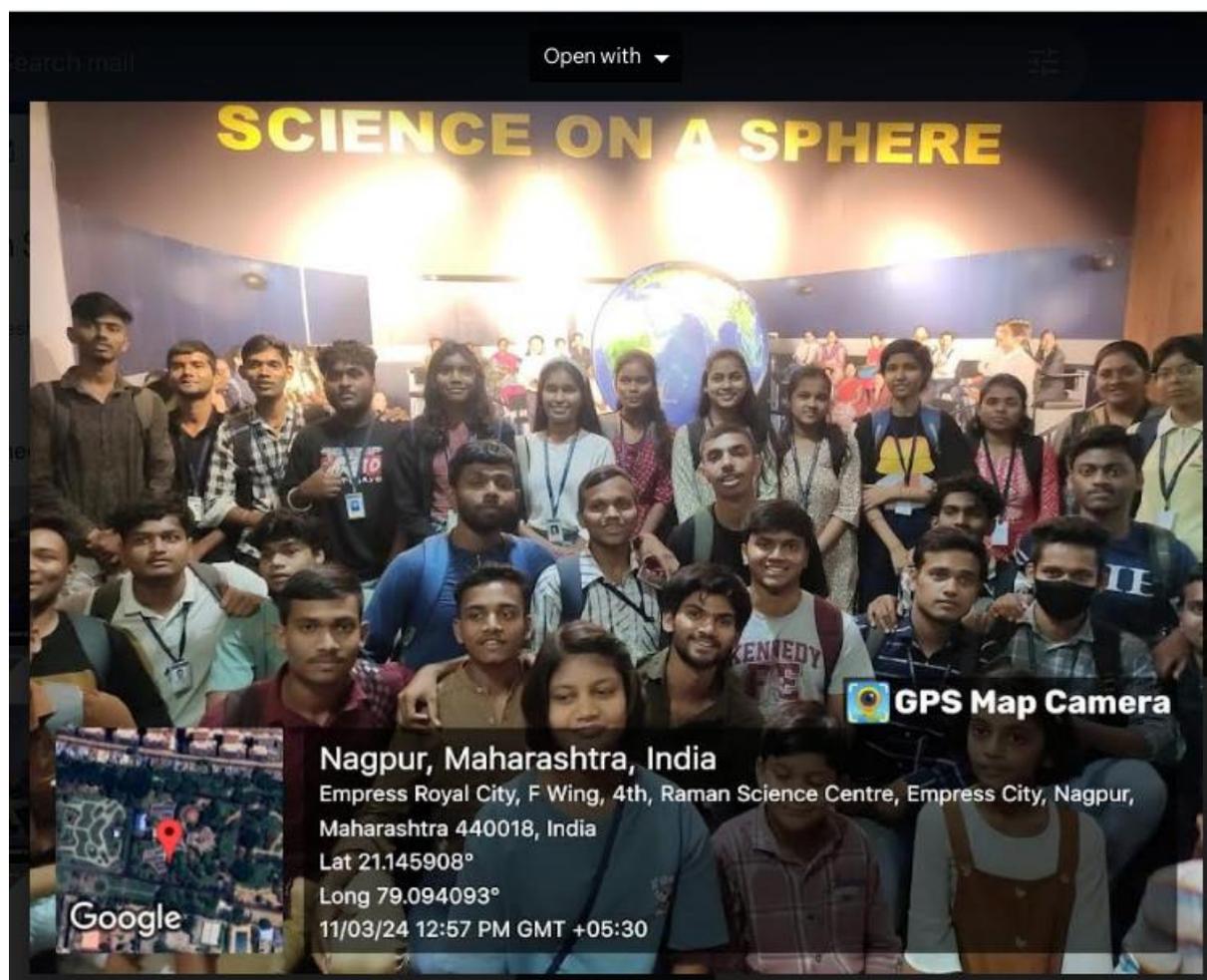
We planned our visit in four segments. First segment was the 3-D show which was based on “how life begins on earth?” This 30 minutes show was exciting, enriches the knowledge and understanding about the facts related to the formation of earth and beginning of life on earth.



Next in the segment was a Planetarium for which the centre is known. It focuses on the evolution of Sun, atmosphere and its layers, structure of sun and so on. It was fascinating to watch this show as it was directly relevant for students as a part of their curriculum. This show lasts for 40 minutes.



Next in the sequence was a 30 minutes show of SCIENCE ON A SPHERE in which details of our Solar system was explained in an interesting manner. The explanation includes structure of planets and the artificial moon of every planet as well.



Lastly, we visited the core area of the centre which includes variety of experiments based on basic science. Students also visited the Scientific Park in which the experiments based on day to day life were depicted.

Outcomes:

1. Students could gain knowledge and understanding scientific concepts related to the formation of Earth's environment and the evolution of life.
2. It deepened students' awareness of astronomical phenomena, including the structure of the Sun, the composition of Earth's atmosphere, and the dynamics of the space.

3. The content of the centre aligned with the students' curriculum, provided a valuable supplement to classroom instruction and reinforcing key scientific principles.

Co-ordinator of the visit – Dr. N. V. Pradnyakar

Co-coordinator of the visit – Dr. P. C. Deshpande

Submitted to

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