**Technical Event Report**

**1. Event Overview**

**Event Name:** Science Club Orientation Programme and *Science Experiment Extravaganza*

**Organized by:** Science Club, MNIT Jaipur

**Date of Event:** 13th October 2025

**Venue:** MNIT Campus, VLTC – 006

**Organized by:** Science Club, MNIT Jaipur

**In Association With:** Technical Societies of MNIT

**Coordinators:**
Dr. Rajnish Dhiman
Dr. Anirban Dutta

**2. Introduction**
The Science Club of MNIT Jaipur successfully conducted its orientation programme followed by an engaging event titled *"Science Experiment Extravaganza"*. The twin events were organized with the objective of enhancing scientific curiosity, critical thinking, and practical understanding among students.
The programme was designed to introduce students to the objectives and vision of the Science Club while also providing hands-on exposure to real-life scientific concepts through interactive and visually stimulating experiments.

**Science Club Orientation Programme**
The orientation programme commenced with a formal welcome and an introduction to the Science Club's goals, vision, and planned activities for the academic year. The faculty coordinators highlighted the importance of scientific inquiry, innovation, collaboration, and research-oriented learning.
Students were encouraged to actively participate in club activities, propose innovative project ideas, and utilize the Science Club as a platform to explore and showcase their scientific talents. The core committee members were introduced, and upcoming competitions, workshops, and field visits were discussed. The orientation session successfully built enthusiasm and motivated students to engage in scientific learning beyond the classroom.

**Science Experiment Extravaganza**
Following the orientation programme, students participated in an interactive session titled *"Science Experiment Extravaganza"*. The objective of this event was to make science learning enjoyable, relatable, and practically meaningful through live demonstrations of physics and chemistry experiments.

**3. Highlights of Experiments Conducted**

**Non-Newtonian Fluid Demonstration**
A mixture of cornstarch and water was used to create a non-Newtonian fluid. Students observed how the material behaved like a solid under pressure and like a liquid under normal conditions, helping them understand concepts beyond classical Newtonian physics.

**Surface Tension Phenomenon**
Using simple materials such as soap, water, and lightweight objects, the concept of surface tension was demonstrated. Students learned how cohesive forces between water molecules

create a skin-like surface capable of supporting small objects.

**Balloon-Based Science Activities**
Several balloon experiments were conducted to demonstrate air pressure, static electricity, and chemical reactions. These included inflating balloons using vinegar and baking soda to show gas evolution and demonstrating electrostatic attraction using rubbed balloons.

**Basic Chemistry Experiments**
Simple yet fascinating chemistry demonstrations were performed to illustrate reactions such as color change, gas evolution, and formation of precipitates. Proper safety measures and scientific reasoning were emphasized throughout the demonstrations.

**4. Participation**
Students participated enthusiastically in both the orientation programme and the experiment session. The high level of curiosity, interaction, and engagement reflected the success of the event in promoting hands-on scientific learning.

**5. Conclusion**
The Science Club Orientation Programme and *Science Experiment Extravaganza* were highly successful and created an engaging and inspiring learning environment. The events strengthened students' conceptual understanding while promoting teamwork, creativity, and practical scientific inquiry.
The Science Club looks forward to organizing many more innovative and knowledge-enriching activities throughout the academic year.

**6. Gallery**
Photographs capturing the orientation session, experiment demonstrations, and active student participation were recorded for documentation and future reference.