FIELD TRIPS:

Field Trip to Royal Water Tank Nagar: A Practical Application of Mathematics

The Department of Mathematics recently organized a field trip to **Royal Water Tank Nagar**, where students applied mathematical concepts to calculate the tank's **radius, volume, and surface area**. This hands-on activity helped them determine its water capacity and assess supply to **Nagaram village**.

Students eagerly measured dimensions and used formulas, reinforcing their **geometric understanding** and real-world applications of math. Their enthusiasm highlighted the value of **experiential learning**, deepening their appreciation for mathematics in solving practical challenges like **water distribution**.

Exploring the Alisagar Lift Irrigation Project

The **Department of Mathematics** organized an **educational trip** to the **Alisagar Lift Irrigation Project**, where students explored the **practical applications of mathematics** in water management.

During the visit, students applied **geometry, calculus, and algebra** to calculate **water volume, flow rates, and irrigation schedules**. They also analyzed **optimization models** for efficient water distribution in agriculture.

This trip helped students understand how **mathematics plays a crucial role in solving real-world problems**, reinforcing their theoretical knowledge and inspiring them to see its relevance in future careers.

Mathematics Department Field Trip to Telangana University

The Department of Mathematics took students on a field trip to Telangana University, where they visited the library, explored the forest area, and toured the Mathematics Department. The students learned how to use library resources, saw how math connects to nature, and got a feel for the department's academic environment. The trip helped students get inspired for higher studies and allowed the department to connect better with them, making future programs more relevant. It was a helpful and motivating experience for everyone involved.