

Report on Zonal Level Science and Mathematics Project (Securing III position)

The Directorate of Education organized a Zonal Level Science and Mathematics Exhibition on 12 and 13 November 2024 at SKV Rajokri on the topic '*Science and Technology for Sustainable Development*'. The theme was '*Mathematical modelling and computational thinking*' and the Sub-Topic was '*Power distribution optimization in Indian cities using Linear Programming*'.

Our school team, comprising the following students, actively participated in this event:

- Saksham Srijan (Class XII-D)
- Sheril Srivastava (Class XII-D)

The aim of this project was to develop a cost efficient power distribution system across various Indian cities by optimizing the allocation of power from different power plants. The system aimed to minimize the transmission cost by meeting each cities power demand and respecting each plant's generation capacity. It provided an excellent platform for students to demonstrate their knowledge and skills in a competitive environment.

We are proud to announce that our students secured the 3rd position in the Mathematical Project.

We extend our heartfelt *congratulations* to all the participants for their remarkable achievement and wish them continued success in their future endeavors.

