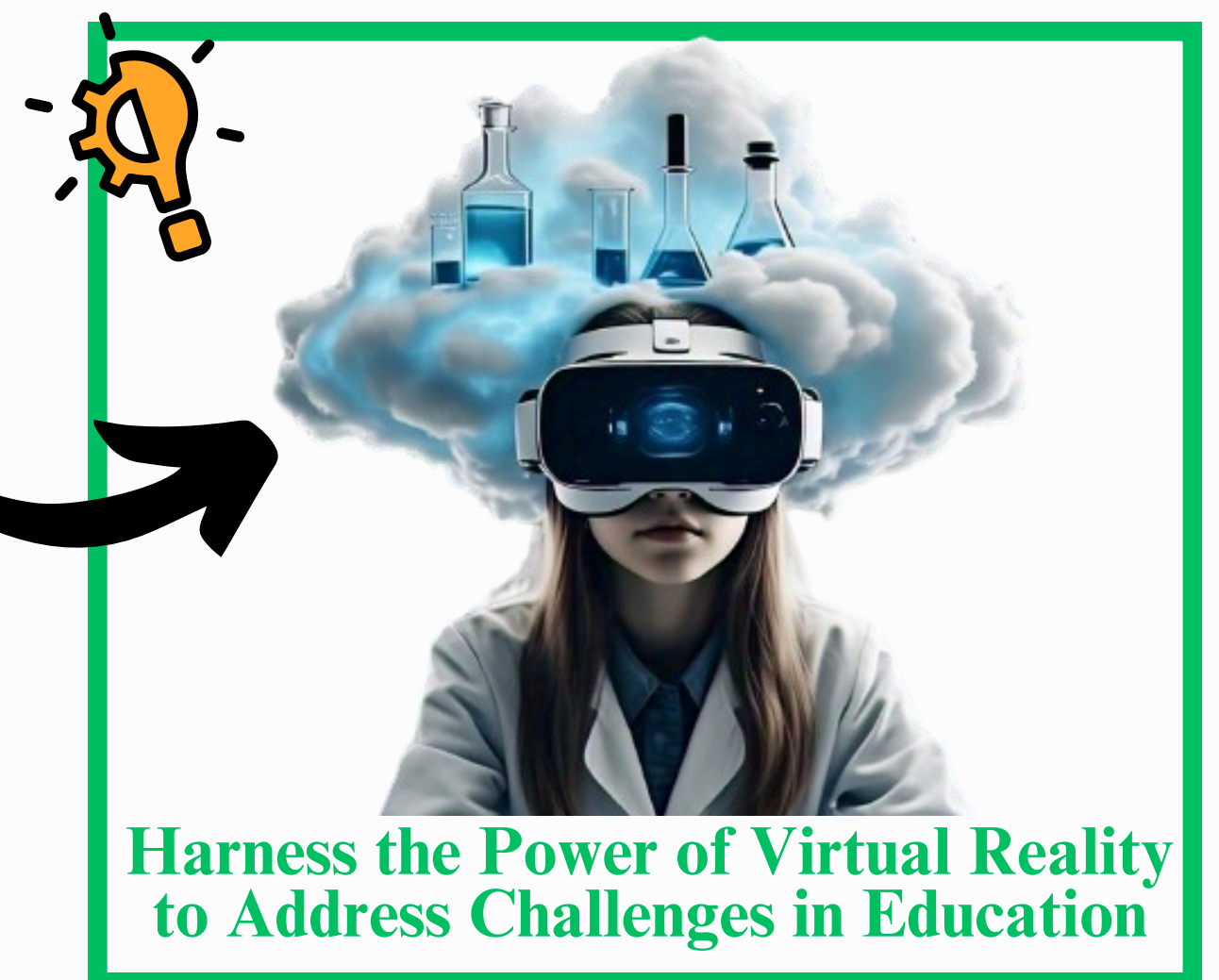
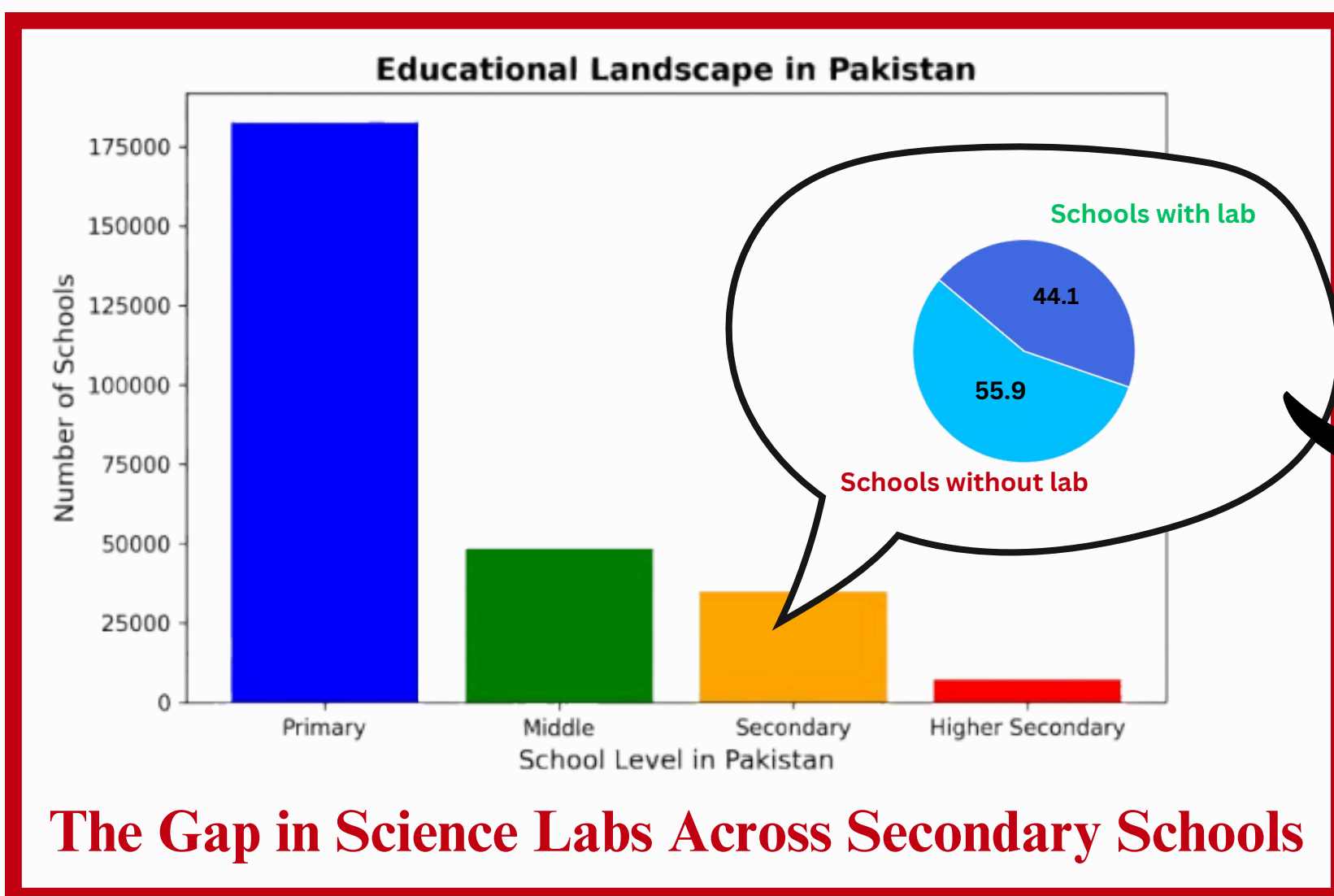


STEM Education using VR (STEMxVR)

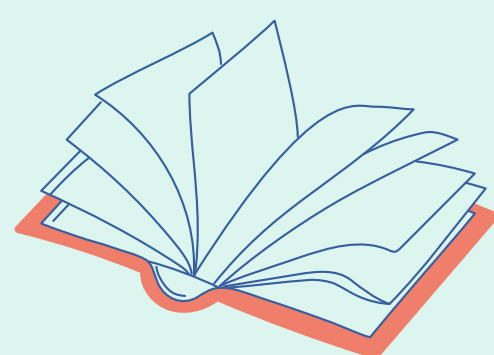
Perform Chemistry Experiments in a Virtual World



Features



Digital Construction of Real-World Lab



Accessible Learning



Risk Free Experimentation



Feedback



Interactive Learning

SDGs



4 QUALITY EDUCATION



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



10 REDUCED INEQUALITIES



17 PARTNERSHIPS FOR THE GOALS

Technologies



Unity



c#



Blender



Side Quest



Meta Quest

- Developed using **Unity** and **C#**, enabling interactive simulations of dynamic chemical reactions with real-time feedback.
- Designed high-quality 3D environments and lab equipment in **Blender** for a realistic lab experience.
- Launched via **SideQuest** for the **Meta Quest Pro headset**, ensuring an immersive, accessible, and engaging learning platform.

Group Members:

Urooj Akmal (2021685) Sermad Mehdi (2021578)
Syed Ibrahim Hamza (2021623) Muhammad Haseeb Ishaq (2021389)

Advisors:

Dr. Salman Ahmed
Dr. Muhammad Hanif