



Case Study

How fotonVR Transformed Science Education with Virtual reality



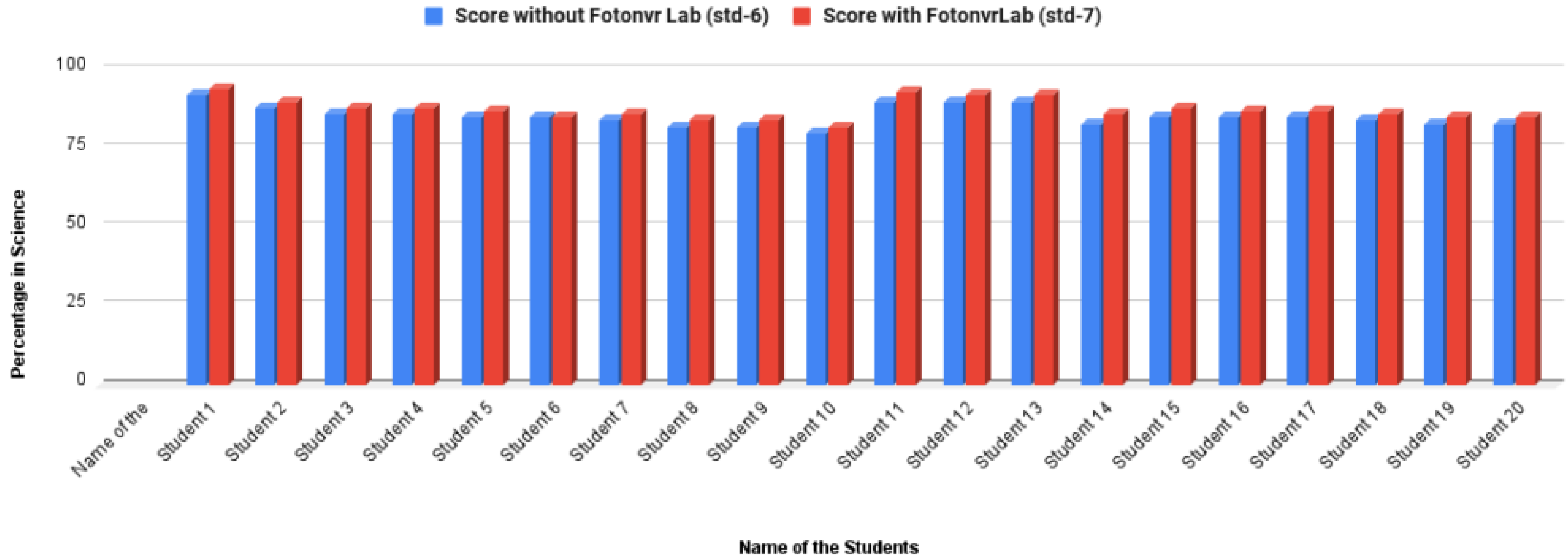
- **Traditional teaching methods often fail to effectively teach complex science concepts.**
- **VR technology makes science education more engaging and enjoyable for students.**
- **The case study focuses on the positive impact of FotonVR's VR lab on students' academic performance and interest in science subjects.**

- **Maratha Mandal school conducted sessions in Hindi and English, using multilingual fotonVR content.**
- **School created a dedicated VR lab with fotonVR's VR headsets and content.**
- **1-2 VR lab sessions were scheduled per week for each class, focusing on science education.**

- **FotonVR's VR content offers a realistic and engaging 3D and 360° environment for students to explore science concepts.**
- **Students can navigate inside the human body, learning about organs and their functions.**
- **They can conduct chemistry experiments, discovering properties and reactions of elements and compounds.**

- VR lab was used by the school for a period of time.
- The school reviewed the students' results and observed significant improvements.
- Academic performance and interest in science subjects showed positive changes.
- Marks of students' science subjects were collected for two academic years: 2021-2022 (before implementing fotonVR lab) and 2022-2023 (after implementing fotonVR lab).

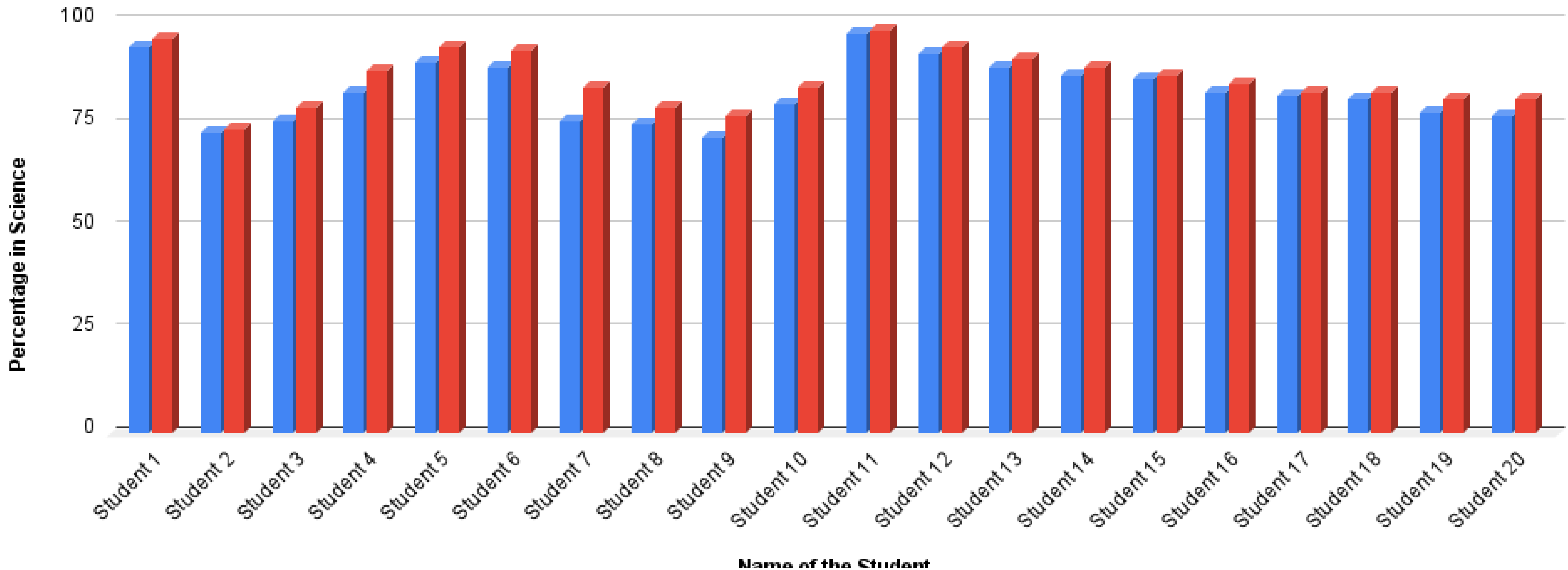
Score with and without Fotonvr Lab



The percentage of standard 7 students who had access to the FotonVR lab in their school increased by an average of 2.05 marks.

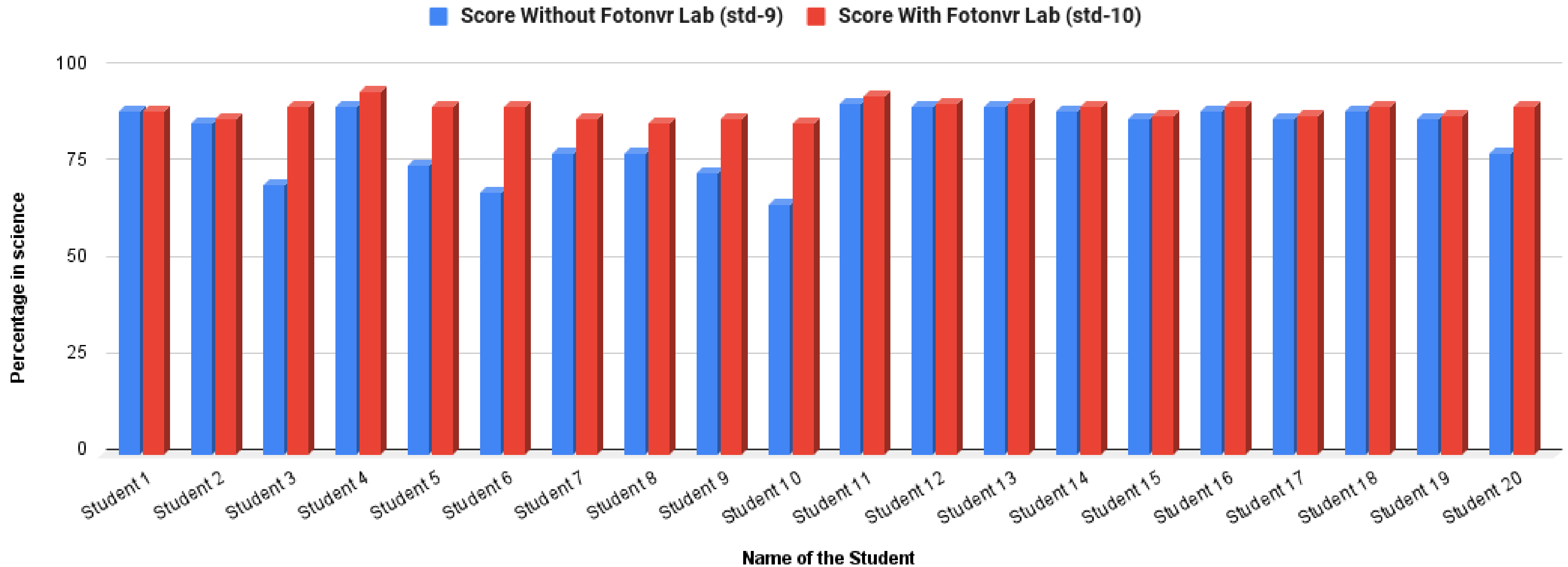
Score With and Without Fotonvr Lab

■ Score without Fotonvr Lab (std-7) ■ Score With Fotonvr Lab (std-8)



Standard 8 students have shown a remarkable improvement, with an average gain of 3 marks compared to their performance in standard 7.

Score With and Without Fotonvr Lab



Similarly, standard 10 students have excelled, achieving an impressive increase of 6.80 marks compared to the previous year.

Read More at

<https://fotonvr.com/how-fotonvr-transformed-science-education-with-virtual-reality-a-case-study/>





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