

Concept:

The central concept of this project is the development of an interactive and informative dashboard aimed at addressing and spreading awareness for the issue of high noise levels in primary school gym halls. This dashboard will serve as a comprehensive online platform, consolidating key data and information related to noise levels in these educational environments and the subsequent impact on the well-being of those exposed to them, primarily physical education (PE) teachers. The dashboard's core purpose is to raise awareness by making data accessible.

Goal:

The primary goal of this project is to spread awareness about the detrimental effects of high noise levels in gym halls within the primary school setting. By raising awareness, we aim to initiate constructive dialogue and drive positive changes. The specific objectives include:

1. **Informing the Public:** Disseminate accurate and comprehensive information regarding the issue of high noise levels in primary school gym halls.
2. **Advocacy:** Encourage individuals, institutions, and policymakers to take action in reducing noise levels and improving the working conditions in these educational spaces.
3. **Health and Safety:** Highlight the adverse effects of noise on the health and safety of PE teachers and, by extension, the quality of education provided to students.
4. **Resource Hub:** Provide a centralized location for resources, research findings, and best practices to address the problem effectively.

Target Group:

Our target group encompasses all stakeholders involved in or concerned with primary school physical education, including:

1. **PE Teachers:** The primary focus is on the well-being of physical education teachers who work in high-noise environments. The dashboard aims to provide them with information, resources, and a platform to voice their concerns.
2. **Parents:** Parents of primary school students are crucial stakeholders as they are directly concerned with the quality of education their children receive. They should be aware of the impact of noise on the learning environment.
3. **School Administrators:** School administrators and management play a vital role in making decisions about the physical environment of the school. They need to be informed about the issue and potential solutions.
4. **Policymakers:** Local education authorities and policymakers have the authority to enforce standards and regulations. The dashboard aims to inform them about the problem and advocate for necessary changes.
5. **Health Professionals:** Medical professionals who treat educators experiencing health issues related to noise exposure should be aware of the problem and potential solutions.

The dashboard will act as a bridge to connect all these stakeholders, ensuring that they have access to relevant data, research findings, and resources. By targeting a wide range of individuals and groups, we aim to spread awareness about the high noise level in gym halls, ultimately leading to a healthier and more conducive learning environment for both teachers and students.

Research:

The concept of developing a dashboard to address the issue of high noise levels in primary school gym halls was done by doing multiple researches. This approach included a combination of library (online) research, interviews, and surveys to gather a comprehensive understanding of the problem and its potential solutions.

Library (Online) Research: The foundation of this project was built upon extensive library research. This involved a review of existing literature, academic papers, reports, and case studies related to noise levels in educational environments, especially primary school gym halls. Through this research, we gathered valuable insights into the extent of the problem, its health implications, and the best practices for addressing it. The data and findings from various sources informed us about the concept of the dashboard and its content.

(Field research)Interviews: To gain real-world perspectives and experiences, we conducted interviews with physical education teachers who work in primary school gym halls and parents of primary school students. These interviews provided qualitative insights into the challenges they face due to high noise levels, as well as their suggestions for potential solutions. Hearing directly from educators and parents allowed us to better understand the practical implications of the issue and helped shape the focus of the dashboard.

Surveys: In addition to interviews, a survey was conducted among PE teachers, parents, and school administrators to gather quantitative data. The survey helped us quantify the prevalence of high noise levels in gym halls, the impact on various stakeholders, and the level of awareness about this issue. The survey data provided statistical support for our project's goals and objectives.

Through this research process, we not only identified the problem but also recognized the need for a comprehensive and accessible platform to address it. The combined insights from library research, interviews, and surveys guided the creation of the dashboard concept. We discovered that awareness about the issue was limited, and there was a lack of centralized resources to promote change effectively. This realization led to the development of the dashboard as a strategic solution to disseminate information, engage stakeholders, and advocate for a healthier learning environment for all primary school students and educators.

For a more in-depth look at our research you can take a look at our [Research document](#)