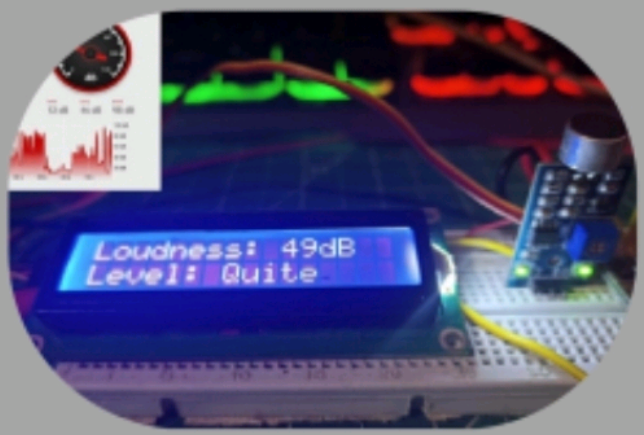
Noise pollution Monitoring

IBM PROJECT Phase 1 Part



TEAM MEMBERS:

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PROBLEM STATEMENT

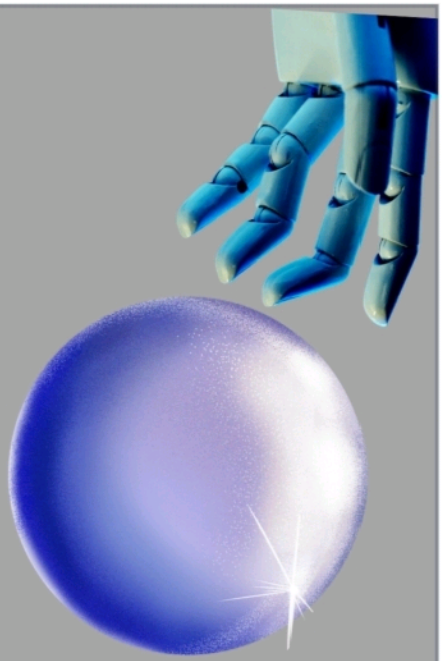
DEVELOP A RELIABLE AND EFFICIENT SYSTEM OR METHODOLOGY FOR CONTINUOUSLY MEASURING, ANALYZING, AND MITIGATING EXCESSIVE AND HARMFUL NOISE LEVELS IN URBAN AND INDUSTRIAL ENVIRONMENTS, IN ORDER TO PROTECT PUBLIC HEALTH AND WELL-BEING, AND TO ENSURE COMPLIANCE WITH NOISE REGULATIONS AND STANDARDS.

design-thinking:

Design thinking for noise pollution monitoring involves a human-centered approach to developing effective solutions. Here's a simplified design thinking process tailored to this problem:

Empathize:

- Understand the needs and concerns of the community affected by noise pollution.
- Engage with stakeholders, such as residents, local authorities, and environmental experts, to gather insights and data on noise-related issues.



DEFINE:

- Clearly define the problem, considering its impact on people's health and quality of life.
- Identify specific objectives for noise monitoring, like real-time monitoring, data analysis, or noise source identification.

Ideate:

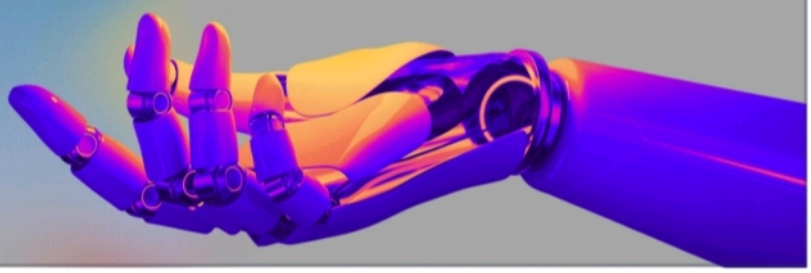
- Brainstorm potential solutions, both technological and non-technological, to address the noise pollution problem.
- Encourage creative thinking to develop innovative approaches for monitoring and reducing noise pollution.

Prototype:

- Create a prototype of the noise monitoring system or solution. This could be a physical device, software application, or a combination of both.
- Test the prototype in controlled environments to ensure its functionality and usability.

Test:

- Collect feedback from end-users and stakeholders through pilot studies and field tests.
- Make adjustments to the prototype based on the feedback received, iteratively improving its design.



Thank you!!!