

NAAN MUDHALVAN

NOISE POLLUTION MONITORING

PHASE - 2

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Phase – 2

INNOVATION

Innovation in noise pollution monitoring has seen significant advancements in recent years, driven by developments in technology and the growing awareness of the detrimental effects of noise pollution on health and well-being. Here are some notable innovations in noise pollution monitoring.

- ❖ *Mobile Apps,*
- ❖ *Noise Mapping,*
- ❖ *Wearable Noise Monitors,*
- ❖ *Real-time Monitoring Networks,*
- ❖ *Environmental Sound Recognition.*

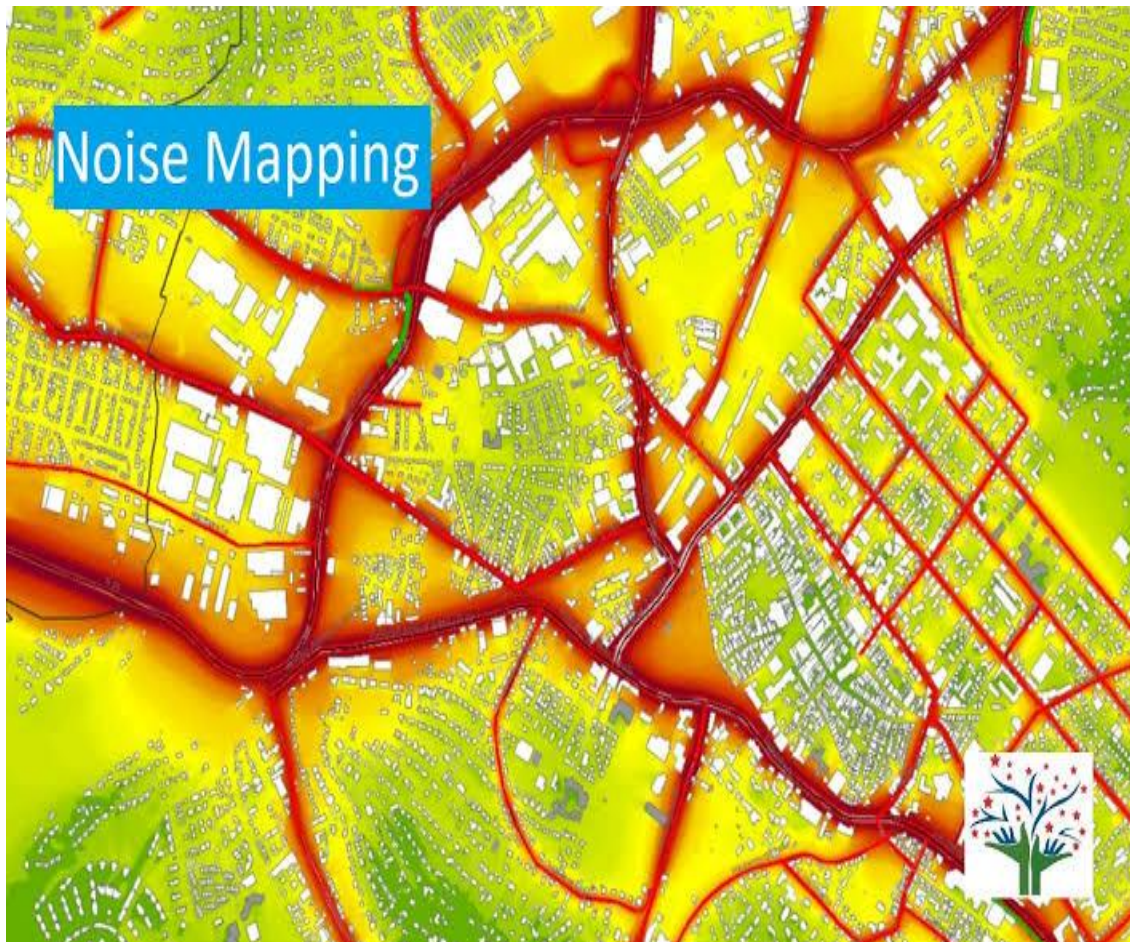
Mobile Apps:

Various mobile apps are available that enable citizens to contribute to noise monitoring efforts. These apps use smartphone microphones to record and analyze noise levels and can provide crowdsourced data for noise maps and analysis.



Noise Mapping:

Advanced noise mapping software allows for the creation of detailed noise maps, which help identify noisy areas and assess the impact of noise pollution. These maps are essential for urban planning and noise mitigation strategies.



Wearable Noise Monitors:

Wearable noise monitoring devices, such as noise-cancelling headphones with built-in microphones, can provide individuals with real-time feedback on the noise environment around them. This can help people make informed decisions about noise exposure.



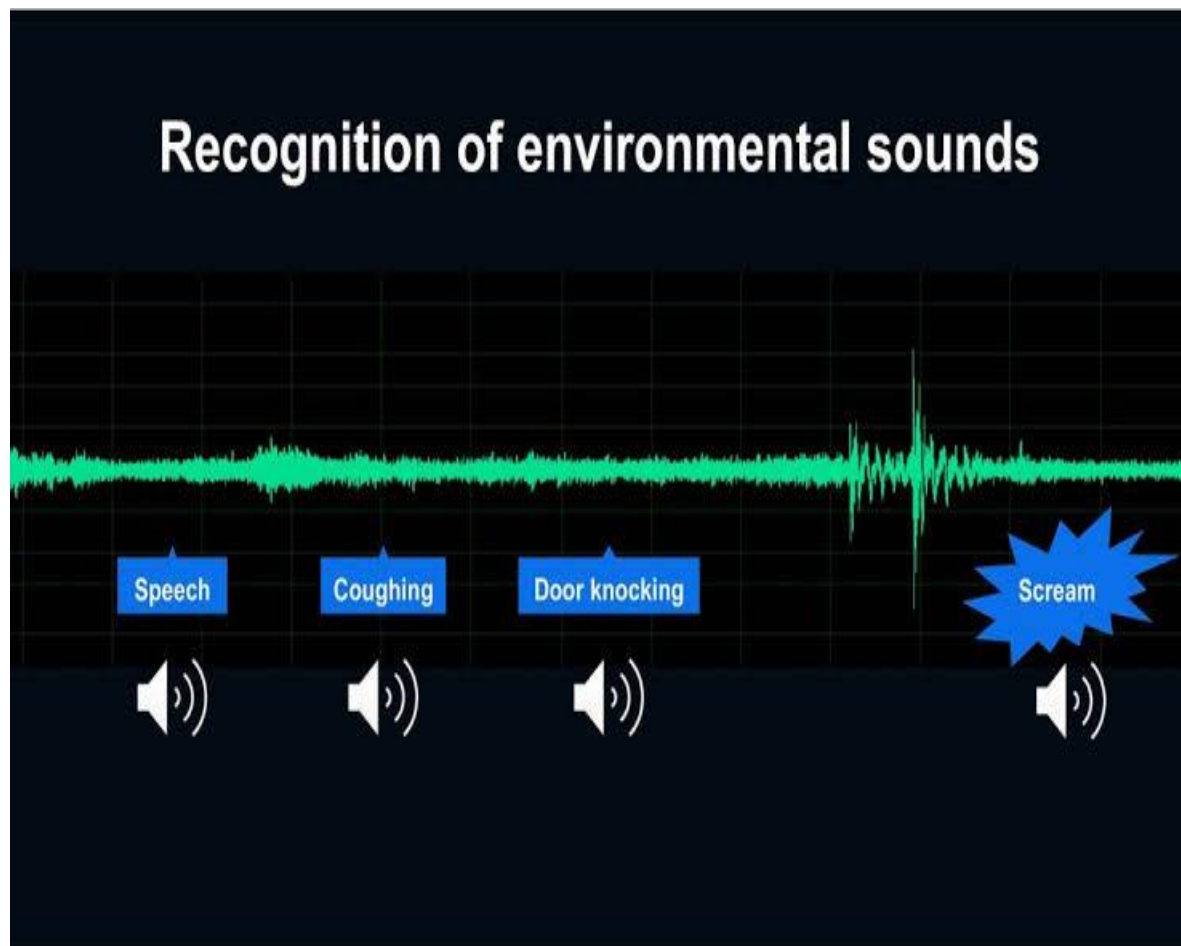
Real-time Monitoring Networks:

Cities are setting up real-time noise monitoring networks that provide up-to-the-minute data to both authorities and the public. This data helps with immediate responses to noise disturbances and traffic management.



Environmental Sound Recognition:

Developing AI algorithms to recognize specific environmental sounds can aid in identifying and mitigating noise pollution sources. These systems can automatically detect things like construction noise, traffic, and even wildlife sounds.



MORAL:

These innovations in noise pollution monitoring play a crucial role in understanding, addressing, and mitigating the effects of noise pollution in both urban and natural environments. They help raise awareness, inform policy decisions, and empower individuals and communities to take action to reduce noise pollution and improve overall quality of life.

THANK YOU!!!