



# WHISTLER

<https://algoject.github.io/Whistler/>

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Our content today is divided into four parts. Each part will be described!

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# STATISTICS

## A Quick Overview & Introduction

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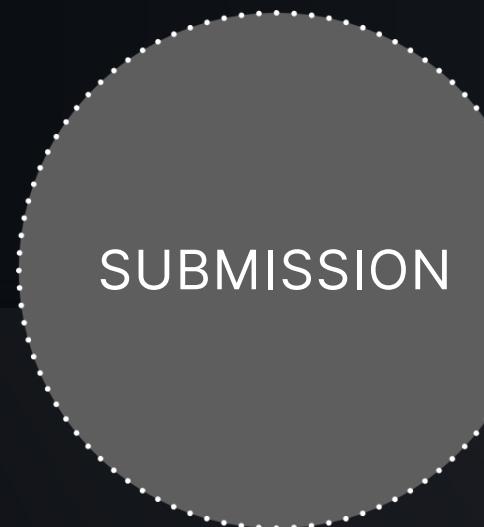
Compared to 2020, impulsive noise has increased in Dhaka City by a startling rate of 8.52%, and continuous noise has increased by 3.74% as per the study conducted in November and December last year. The Capital is severely affected by this shorts of contamination.

There is currently no database or documentation showing the continuous recordings of sound in the Capital. A proper database would help the administrations to oversee and regulate this noise pollution. This is where Project Whistler comes. Our team AlgoJect tried to design a platform that would permit the users to contribute and, in the meantime, will let everyone analyze the verified reports from all over the Capital.

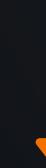


# PROCEDURE

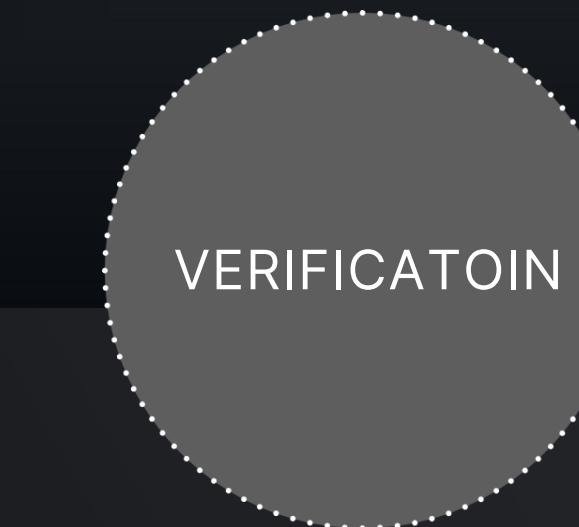
The Project Whistler is wholly based on the contributions of individuals.



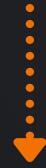
The volunteers first go to particular regions and assemble the pieces of information about the noise there.



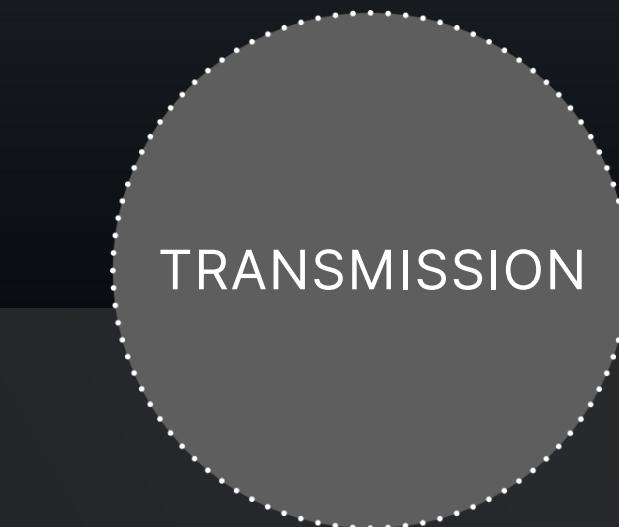
They then record that information through a third-party app and send it along with their own identity.



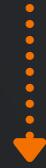
In the second step, we work with the identification of the sender and verify all the evidences.



After the verification process is done, the information is selected to be sent along to our server.



In the next step, The verified data is uploaded to our server. We enrich our database by adding them.



We enrich our database by adding appropriate documents to specific profiles of different areas at regular intervals.



Finally, all our collaborators and visitors can see the verified and accurate\* data from our website.

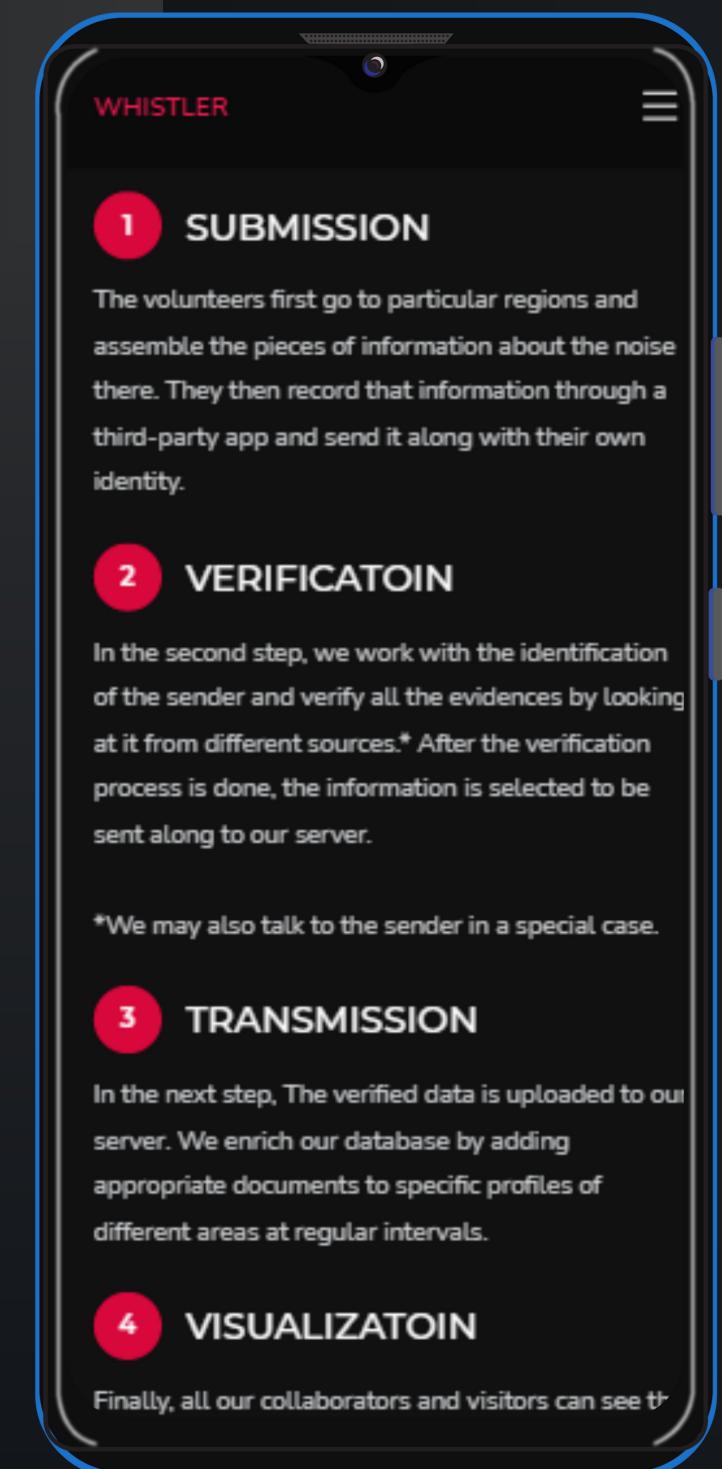


\*Data may slightly vary from real-time inspection.

# PROCEDURE

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The Project Whistler is wholly based on the contributions of individuals. The process is done in four manageable steps. First, our team members or volunteers go to demanding regions and assemble reports regarding the noise there. They then record that information through a third-party application like Decibel X and send it along with their own identity. After that, we work with the classification of the sender and confirm every shred of evidence by looking at it from different sources. Once the verification process is done, the information is chosen to be sent along to our server. In the next step, The verified data is uploaded to our server. We enrich our database by adding appropriate documents to specific profiles of different areas at regular intervals. Finally, all our collaborators and visitors can see the verified and reliable data from our website.



# TECHNOLOGY

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Currently, we uploaded the source code of Whistler to GitHub, and with the help of the GitHub page, we can control those records. But there were some obstacles. We were incapable to get user input because GitHub pages do not support server-side languages like PHP, Ruby, or Python. The second choice was Microsoft Forms for Education. But in Bangladesh, a .edu mail is not administered at the college level. So, we were unable to activate Microsoft 365 Education and we couldn't get that either. Therefore we had to take help from a third-party website called forms.app to gather user input with files.



## GitHub

Helped us to host this website!



## Decibel X

Helped us to record all the informations we need!



## Microsoft 365

Helped us to collaborate with the teammates!



## Forms.app

Helped us to gather user input.

# SUMMERY

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“

We hope Whistler will help reduce noise pollution in our capital. The government can regulate noise in particular regions if there is a record that shows everything. Thank you so much!

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