

Air Quality Detection using Land Coverage Machine Learning Techniques- CNN

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Abstract: Air pollution is one of the world's most dangerous issues, as it has negative consequences for human health, animal health, and the environment system. In today's India, air pollution is one of the most serious environmental health threats. The most important factor that directly increases the occurrence of diseases and lowers the quality of life is the air quality in all places. The ability to make suitable judgments in a timely manner is dependent on the monitoring and analysis of air quality factors, necessitating the development of real-time air quality detection. It is possible to do a detailed level analysis of key pollutants and their sources using colour images of the earth's surface. These detection devices are critical components in a variety of specialised area projects for sensing air quality and managing pollutant concentrations in specific locations. Based on a Land coverage analysis, we provide a method for cost-effective assessment of essential environmental parameters in this project. These applications are used to assess the quality of local air.

Keywords: Pre-Processing, CNN (Convolutional Neural Network)

VII. REFERENCES

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