VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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PROJECT REPORT ON

"AIR POLLUTION TRACKING IN MANGALORE USING GIS AND RS "

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In partial fulfillment of the requirements for the degree of

BACHELOR OF ENGINEERING

In

CIVIL ENGINEERING

Under the Guidance of

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CERTIFICATE

Certified that the project entitled **"AIR POLLUTION TRACKING IN MANGALORE USING GIS AND RS"** has been successfully completed by the bonified student of Department of Civil Engineering, Alva's Institute of Engineering and Technology in partial fulfillment for the award of BACHELOR OF ENGINEERING in **DEPARTMENT OF CIVIL ENGINEERING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY BELAGAVI** during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Engineering Degree.

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ABSTRACT

Environmental pollution of urban areas is one of key factors that state authorities and local agencies have to consider in the decision making process. Understanding temporal and spatial distribution of air quality at the landscape scale is essential in assessing the potential ecological conditions for ecological restoration and in making decisions for regional management. To find a compromise among many criteria, spatial analysis extended by geostatistical methods and dynamic models has to be carried out. In this case, spatial analysis includes processing of a wide range of air, water and soil pollution data and possibly noise assessment and waste management data.

The accuracy of the map was then assessed by comparing predicted pollution levels with monitored levels at a range of independent reference sites. A lot of research has already been done to investigate the functional relationship between air quality and air pollution from transport. This study is an effort to develop a more flexible framework of model to find the exposure of the air pollution in the atmosphere. This review article describes the development of framework of different GIS inputs that help to find the exposure of vehicular pollution in megacity.