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VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI-

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**A MICRO PROJECT REPORT ON
“A Zigbee Based Wireless Sensor Network for Sewerage
Monitoring”**

Submitted By,

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Under the Guidance of

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CERTIFICATE

This is to certify that the Micro-Project entitled "A Zigbee Based Wireless Sensor Network for Sewerage Monitoring" has been Successfully Completed by

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The bonafide students of Department of Basic Sciences, Alva's Institute of Engineering and Technology, affiliated to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI, during the academic year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Micro-Project work prescribed for Bachelor of Engineering.

Mr. Pramod N
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ABSTRACT

Sewage blockages are a major source of sewer floods as well as pollution. If water companies do not provide a realistic way to prevent flooding, they will face heavy fines and huge operational costs. As a result, sewer condition detection is required on a regular basis in order to determine the best course of action for resolving this serious issue. This study describes a unique low-cost wireless sensor technique for proactively detecting obstructions and transmitting event data to a central control centre. The suggested WSN will be shown in a real-world setting in an urban setting. Furthermore, the difficulties of this technology in a field experiment, as well as the data collected in terms of sensor and communication dependability, were discussed