VISVESVARAYA TECHNOLOGICAL UNIVERSITY,

BELAGAVI-590018

A PROJECT REPORT ON

"SMART TRASH SEGREGATOR DUSTBIN MONITORING SYSTEM"

Submitted in partial fulfillment for the award of Degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE &ENGINEERING

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CERTIFICATE

This is to certify that the project entitled **"SMART TRASH SEGREGATOR DUSTBIN MONITORING SYSTEM"** has been successfully completed by

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ABSTRACT

Nowadays, all types of waste are dumped into the dustbin at the buildings. Hence it is difficult to segregate waste and time-consuming task at destination level. To avoid all such situations, a "Smart Trash Segregator Dustbin Monitoring System" is used for segregation of Dry and Wet waste made at source level and afterwards indication is sent to the Municipal Corporation. So that segregation of waste at destination level can be completely avoided. The main sources of waste come from domestic (house hold waste) and industrial waste. The Proposed System mainly concentrates on domestic waste whose value is unrecognized. Since people don't spend much time on segregating waste into their basic categories. If waste is separated at household level then they can be directly sent for recycling instead of sending them to industries first for segregation. Which becomes a huge task and the waste does not get segregated accurately. The sensors would be placed in all the garbage bins. When the garbage reaches the level of the sensor, then the indication will be given to an Arduino UNO. Using Wemos board indication will be sent to the Municipal Corporation.