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A MICRO PROJECT REPORT ON

"ANTI THEFT ALARM IN BIKES"

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CERTIFICATE

This is to certify that the Micro-Project entitled **"ANTI THEFT ALARM IN BIKES"** has been Successfully Completed By

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The bonafide students of **Department of Electronics and Communication Engineering, 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.

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ABSTRACT

If anybody tries to steal your bike, this circuit turns on the horn of the bike to alert you of the impending theft. Usually, a handle lock is used on the handle bar for the safety of bikes, with the front mudguard in a slanted position. When the handle lock is freed, the front mudguard can be aligned with the body of the bike. This circuit consists of transmitter and receiver sections. The transmitter (IR LED) is fitted on the back end of the front mudguard and the receiver sensor (IR RX) is fitted on the central portion of the crash guard of the bike such that IR rays from the transmitter directly fall on the IR receiver sensor, this will occur when the front mudguard comes in line with the body of the bike. This signal from the IR Rx will be given to microcontroller which after waiting for some time disables the engine even though the Ignition switch is ON. In this project as the engine we are demonstrating a DC motor and to indicate the status we are using a LCD.