VISVESVARAYA TECHNOLOGICAL UNIVERSITY,

BELAGAVI - 590 018

ANDROID AURDINO ROBOT

Submitted as Subject Assignment Work for

MICROCONTROLLER AND EMBEDDED SYSTEM (21CS43)

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ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
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CERTIFICATE

This is to certify that, assignment work for the subject "**Microcontroller and Embedded System (21CS43)"** has been successfully completed and report submitted by **Shivaneeth Keshav Shetty (4AL21CS141),** during the academic year 2022– 2023. It is certified that all corrections/suggestions indicated presentation session have been incorporated in the report and scored 10 Marks out of 10 and deposited in the departmental library.

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This is to certify that, assignment work for the subject "**Microcontroller and Embedded System (21CS43)"** has been successfully completed and report submitted by **Sumanth Herla (4AL21CS163),** during the academic year 2022– 2023. It is certified that all corrections/suggestions indicated presentation session have been incorporated in the report and scored 10 Marks out of 10 and deposited in the departmental library.

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This is to certify that, assignment work for the subject "**Microcontroller and Embedded System (21CS43)"** has been successfully completed and report submitted by **Varshith V Hegde (4AL21CS170),** during the academic year 2022– 2023. It is certified that all corrections/suggestions indicated presentation session have been incorporated in the report and scored 10 Marks out of 10 and deposited in the departmental library.

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This is to certify that, assignment work for the subject "**Microcontroller and Embedded System (21CS43)**" has been successfully completed and report submitted by **Vikhyath Rai MS (4AL21CS177),** during the academic year 2022– 2023. It is certified that all corrections/suggestions indicated presentation session have been incorporated in the report and scored 10 Marks out of 10 and deposited in the departmental library.

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1.ANDROID ARDUINO ROBOT

Figure 1 Android Arduino Robot

1.1 INTRODUCTION:

The objective of this project is to build an Arduino Android robot that can be controlled by an Android phone. The robot will use a Bluetooth module to connect to the phone, and then you can use the phone's touchscreen to control the robot's movements. Android controlled Arduino robot car make use of an Android mobile phone for robotic control with the help of HC-05 Bluetooth technology. This is a simple robotics projects using Arduino microcontroller. This project is a Bluetooth controlled robot. The robot can move forward, backward, left, and right and can also be stopped.

1.3 PROCEDURE:

The following are the steps involved in building the Arduino Android robot project:

- Necessary components.
- Assembling the robot's hardware.
- Code to control the robot.
- Testing the robot.

1.3 COMPONENTS REQUIRED:

- Arduino UNO