

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI**



**An Assignment Report On
ELECTRONIC VOTING MACHINE SYSTEM USING ARDUINO**
Submitted as subject assignment work,
for the subject
MICROCONTROLLER AND EMBEDDED SYSTEM (21CS43)

By

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**Under the Guidance of
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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MOODBIDRI-574225, KARNATAKA
2022 – 2023

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CERTIFICATE

This is to certify that **Poojary Prathiksha D(4AL21CS093)**, has successfully demonstrated the **Electronic Voting Machine Using Arduino** as the assignment work for the subject **“Microcontroller and Embedded System (21CS43)”** and submitted a report during the academic year 2022–23 odd Semester. It is certified that all corrections/suggestions indicated in the presentation session have been incorporated into the report & scored 09 Marks out of 10 and deposited in the departmental library.



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This is to certify that **Preksha P Poojary (4AL21CS103)**, has successfully demonstrated the **Electronic Voting Machine Using Arduino** as the assignment work for the subject "**Microcontroller and Embedded System (21CS43)**" and submitted a report during the academic year 2022–23 odd Semester. It is certified that all corrections/suggestions indicated in the presentation session have been incorporated into the report & scored 09 Marks out of 10 and deposited in the departmental library.

A handwritten signature in red ink, appearing to be "Preksha P Poojary", is written over the text.



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This is to certify that **Sahana (4AL21CS123)**, has successfully demonstrated the **Electronic Voting Machine Using Arduino** as the assignment work for the subject **“Microcontroller and Embedded System (21CS43)”** and submitted a report during the academic year 2022–23 odd Semester. It is certified that all corrections/suggestions indicated in the presentation session have been incorporated into the report & scored 09 Marks out of 10 and deposited in the departmental library.

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This is to certify that **Sannidhi (4AL21CS128)**, has successfully demonstrated the **Electronic Voting Machine Using Arduino** as the assignment work for the subject **“Microcontroller and Embedded System (21CS43)”** and submitted a report during the academic year 2022–23 odd Semester. It is certified that all corrections/suggestions indicated in the presentation session have been incorporated into the report & scored 09 Marks out of 10 and deposited in the departmental library.



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This is to certify that **Sannidhi Shetty(4AL21CS129)**, has successfully demonstrated the **Electronic Voting Machine Using Arduino** as the assignment work for the subject "**Microcontroller and Embedded System (21CS43)**" and submitted a report during the academic year 2022–23 odd Semester. It is certified that all corrections/suggestions indicated in the presentation session have been incorporated into the report & scored

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MICROCONTROLLER AND EMBEDDED SYSTEM REPORT

ELECTRONIC VOTING MACHINE**Introduction:**

The basic concept involves integrating various hardware components such as an Arduino board, a display (such as an LCD screen), input buttons, and potentially other elements like RFID or biometric authentication devices. The Arduino board acts as the central control unit, managing the interactions between the voter and the system, collecting and processing votes, and ensuring the security of the entire process.

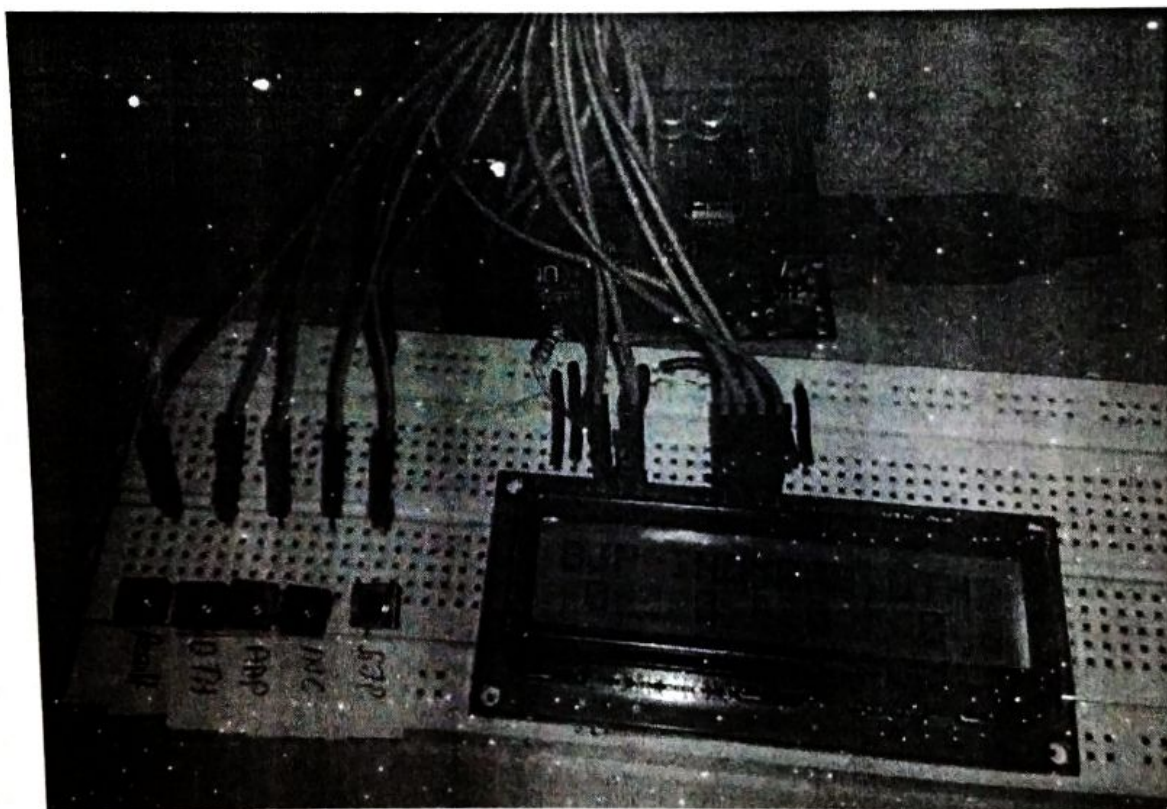


Figure 1: Arduino based Electronic voting machine