



EMERGENCY SANITARY NAPKIN DISPENSER FOR STUDENTS

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PROBLEM



forgetting to bring sanitary napkins



Expense problem



Experiencing discomfort and incurring financial loss from purchasing napkins.

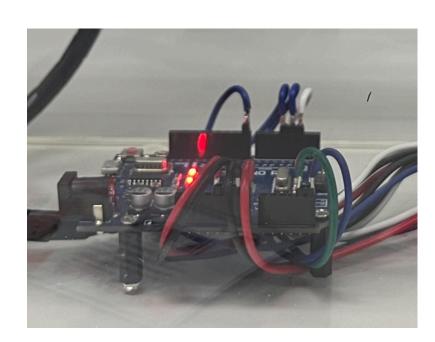


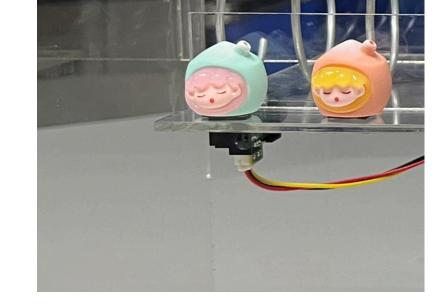


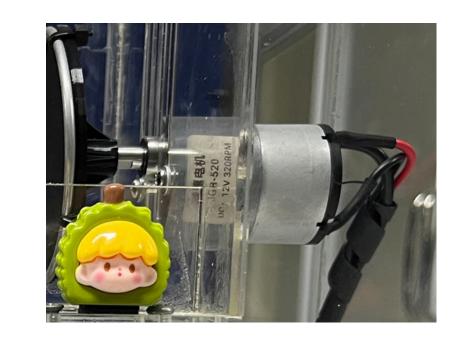
EMERGENCY SANITARY NAPKIN DISPENSER FOR STUDENTS

FINDING

Devices









Aduino uno r3

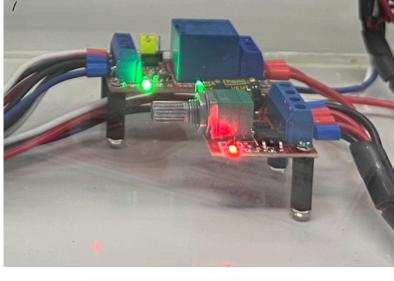


Infrared sensor



DC Motor









LCD Monitor

Relay

QR Code scanner module

FRAMEWORK



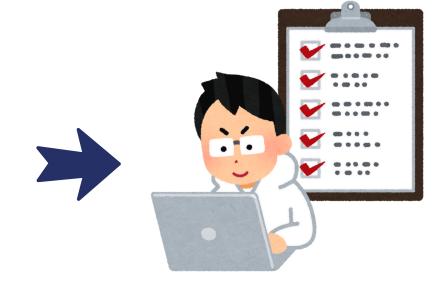
information

research relevant



A dispenser that dispenses napkins.

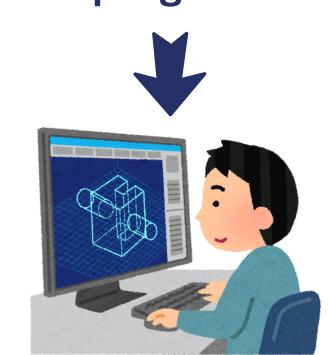
write a program



check and fix program

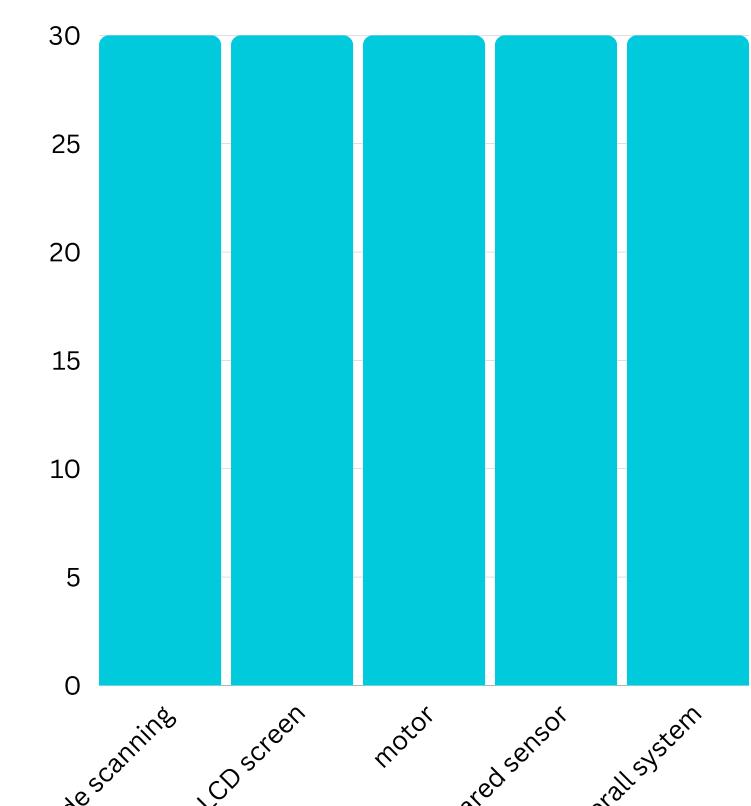


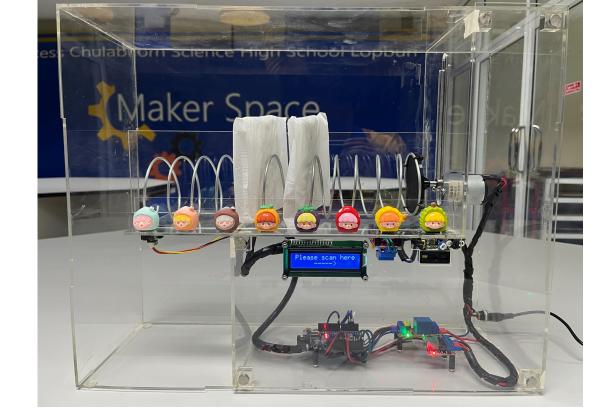
connect the circuit check the circuit

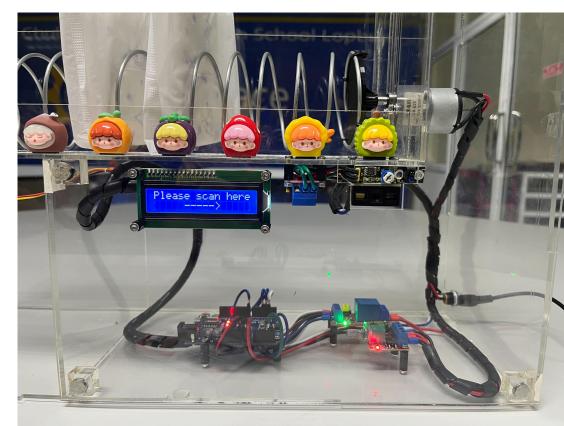


desigh circuit











check, fix and

upload program

test system perfoarmance



analyze test results

INTERPRETATION AND CONCLUSION

From the experiment, it was found that the emergency sanitary napkin dispenser for students for students system can dispense item after passing. A total of 30 performance tests found that the QR Code scanning module, LCD screen, motor, infrared sensor, and system when scanned more than 4 times were able to work at 100%, 100%, 100%, 100, and 100% respectively with values The average efficiency is 100% and when surveying the system performance evaluation form from 3 experts, 3 aspects each: system requirements/features, suitability of system style, equipment selection. in creating a system It was found that the overall efficiency was at a very good level.

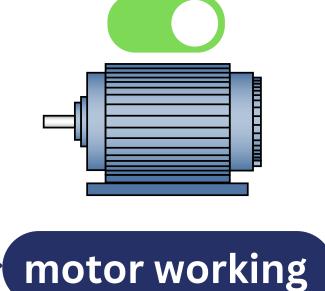
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FRAMEWORK

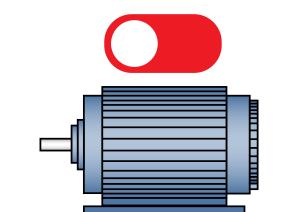


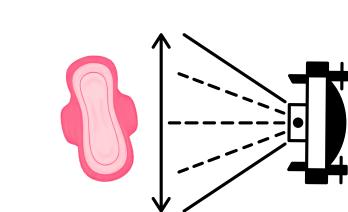




User scan QR Code \rightarrow If less than 4 times scan \rightarrow

The screen shows motor stop working "success n times"





sensor detects

objects

success 3 times