

PRJ#1165 SMART COFFEE TABLE

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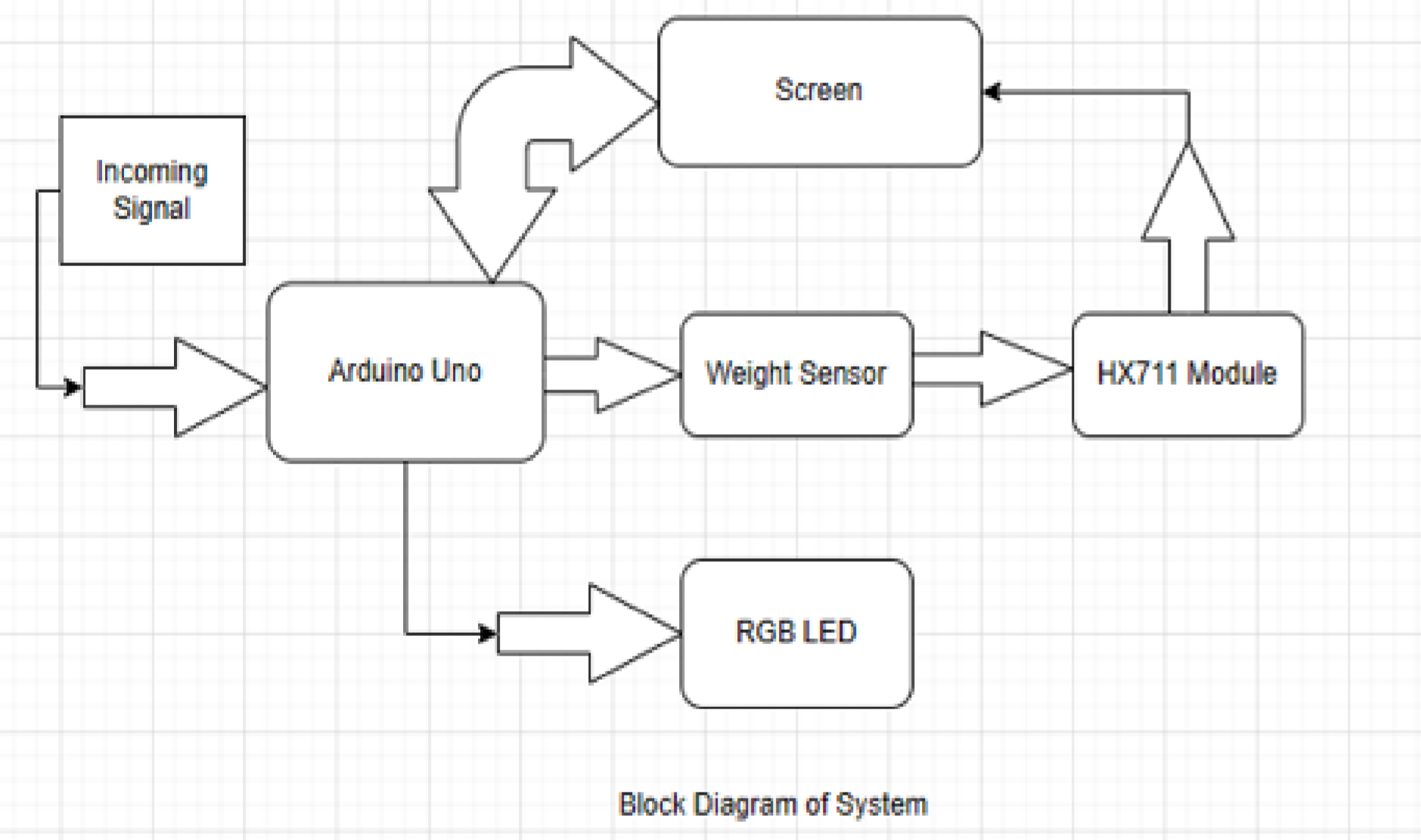
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ABSTRACT

The aim of this project is to utilize an Arduino Uno and a weight sensor to activate RGB LEDs within specific weight intervals and display the corresponding weights on the LCD. This project aims to process data detected by the weight sensor to change LEDs to different colors based on specific weight thresholds and simultaneously display these weight intervals on LCD.



CONCLUSION

This smart coffee table project presents an innovative approach to traditional table design. Using a weight sensor and RGB LED, this table can control ambient lighting in response to the weight of the user's drink.

Main Components

Arduino UNO

Weight Sensor

RGB Led and LCD screen

REFERENCES

RGB LED (introduction and image) www.electronicsforu.com

www.circuitbread.com

WEIGHT SENSOR (introduction) www.semiconductorforu.com

ARDUINO UNO (introduction) Arduino Uno – Wikipedia