



Seven Segment Assignment

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1 ABSTRACT

This paper presents the design and implementation of a 7-segment display control system using an Arduino Uno and programmed via Termux, a Linux terminal emulator for Android devices. The system provides a portable, cost-effective solution for controlling numerical displays without the need for a traditional desktop environment.

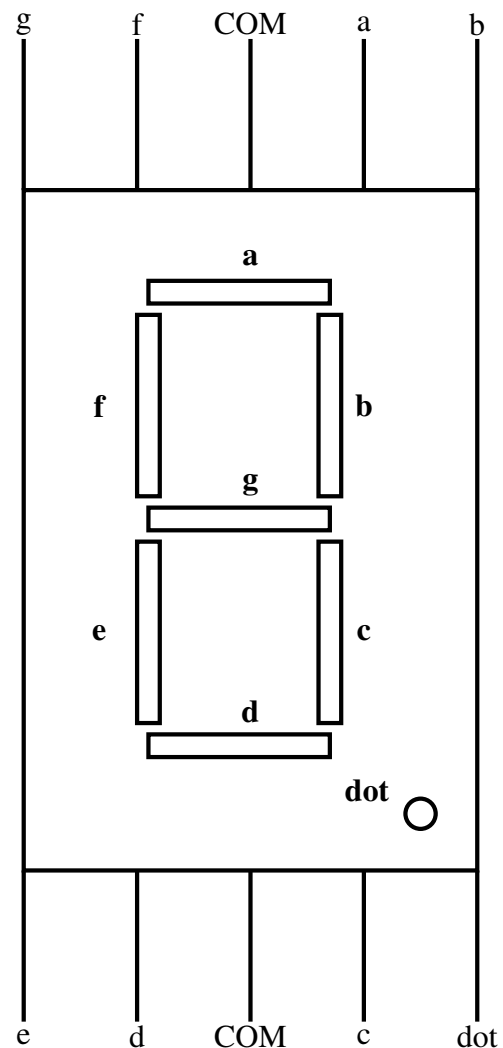
This paper details the hardware setup, the programming of the display using the Arduino, and the configuration of Termux for seamless coding and uploading. This approach offers a practical solution for enthusiasts and students, facilitating mobile development of embedded systems.

2 COMPONENTS

Component	Values	Quantity
Arduino	UNO	1
JumperWires	M-F	30
seven segment	common Anode	1
Bread-board		1
Resistors	220ohms	1

Table.Components

3 PIN DIAGRAM



4 PROCEDUER

- 1) Make the connections between Arduino and Seven Segment as per the below Table

Arduino	2	3	4	5	6	7	8
Display	a	b	c	d	e	f	g

Table.Connections

- 2) Download code from the below source and execute using Arduino droid

<https://github.com/Pranaykuma/FWC-1/blob/main/SevenSegment/main.cpp>

TABLE I

GITHUB LINK TO THE CODE

5 RESULT

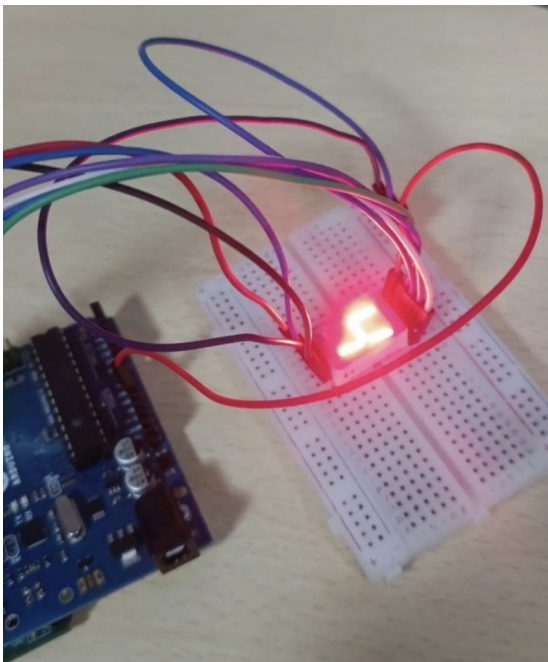


Fig. 1.

6 CONCLUSION

Hence implementation of Seven segment display using arduino is done.