

# Rolling text matrix

## Autor

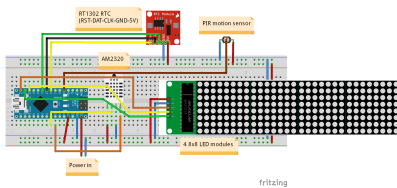
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## Introducere

Am ales ca tema a proiectului realizarea unui sistem care afiseaza text introdus de catre un utilizator pe un ecran de tip matrice cu led-uri.

## Descriere generala

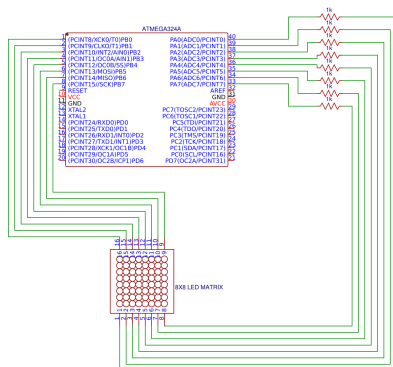
Introducerea textului se face in codul care programeaza afisarea textului. Odata pornit proiectul, textul din buffer-ul dat se va afisa pe ecranul-matrice in modalitatea "rolling text".



## Hardware Design

Lista piese:

- Arduino UNO
- Matrice cu LED-uri MAX7219
- Butoane
- Rezistente
- Led-uri
- Breadboard
- Fire (mama-tata, mama-mama, tata-tata)



Schema bloc

## Software Design

Descrierea codului aplicatiei

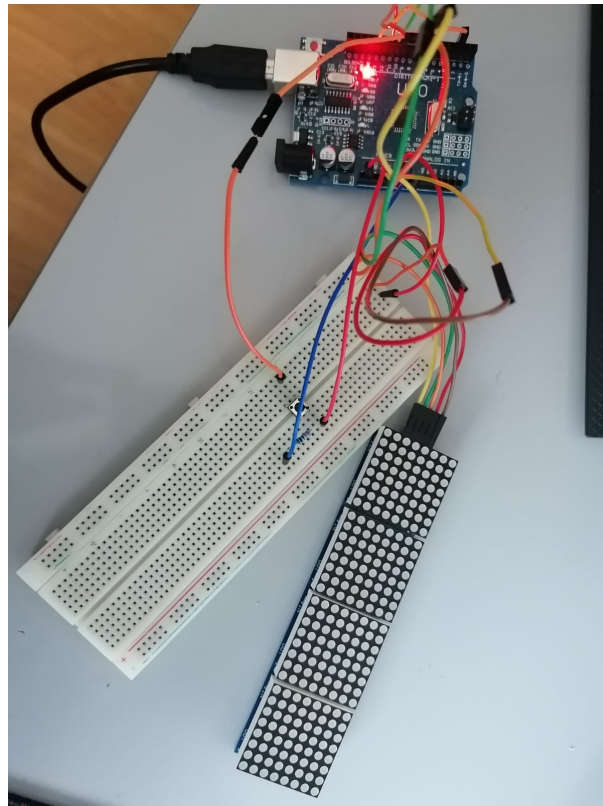
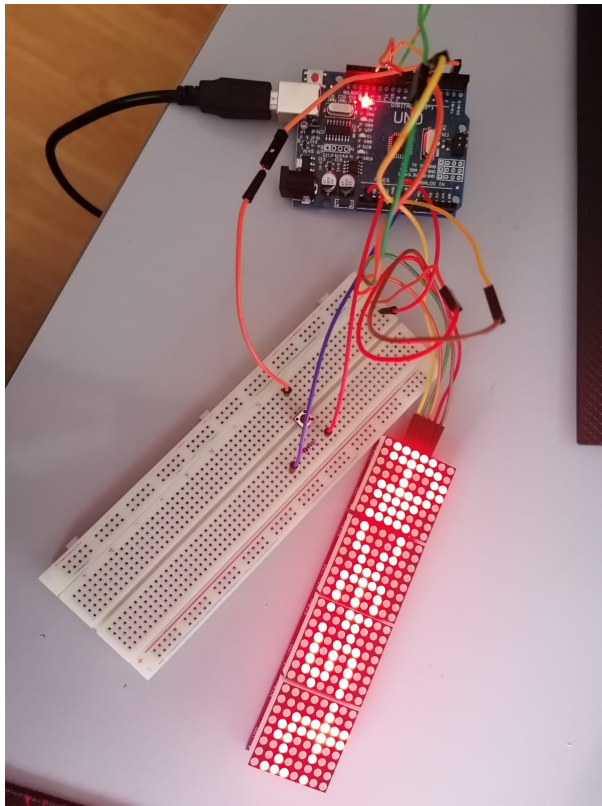
- mediu de dezvoltare Arduino IDE
- biblioteci
  - `#include <SPI.h>`

- #include <Adafruit\_GFX.h>
- #include <Max72xxPanel.h>

Cod: code\_matrix.txt

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## Rezultate obtinute



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## Concluzii

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## Download

- Link pagina: [https://ocw.cs.pub.ro/courses/pm/prj2021/alazar/rolling\\_text\\_matrix](https://ocw.cs.pub.ro/courses/pm/prj2021/alazar/rolling_text_matrix) [[https://ocw.cs.pub.ro/courses/pm/prj2021/alazar/rolling\\_text\\_matrix](https://ocw.cs.pub.ro/courses/pm/prj2021/alazar/rolling_text_matrix)]
  - Arhiva proiect: stefanescu\_georgiana\_331ca.rar
  - Link video: <https://youtu.be/J9NHwsOgtKg> [<https://youtu.be/J9NHwsOgtKg>]
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## Jurnal

- 27 Aprilie → alegerea temei pentru proiect
  - 1 Mai → realizarea diagramei bloc si a schemei cablaj
  - 15 Mai → comandarea pieselor necesare
  - 28 Mai → cablarea fizica a componentelor
  - 30 Mai → implementarea software
  - 3 Iunie → finalizare proiect
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## Bibliografie/ Resurse

- Schema cablaj → <https://app.diagrams.net/> [<https://app.diagrams.net/>]
- Schema bloc → <https://fritzing.org> [<https://fritzing.org>]

- Libraries → from IDE

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pm/prj2021/alazar/rolling\_text\_matrix.txt · Last modified: 2021/06/03 18:29 by gstefanescu2304