

Don Bosco Institute of Technology Department of EXTC AY 2021-2022 Mini project presentation

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TOPIC: BADMINTON SCOREBOARD

Project guide: Jithin Issac Group number: 13

Group members:

01: Abhishek Waghmare

15: Lovely Varshney

E-14: Dhanshree Pansare

E-15: Divya Sharma

Aim:

 To increment or reset score on 8*8 dot matrix using nRF24l01 transceiver module and push buttons.

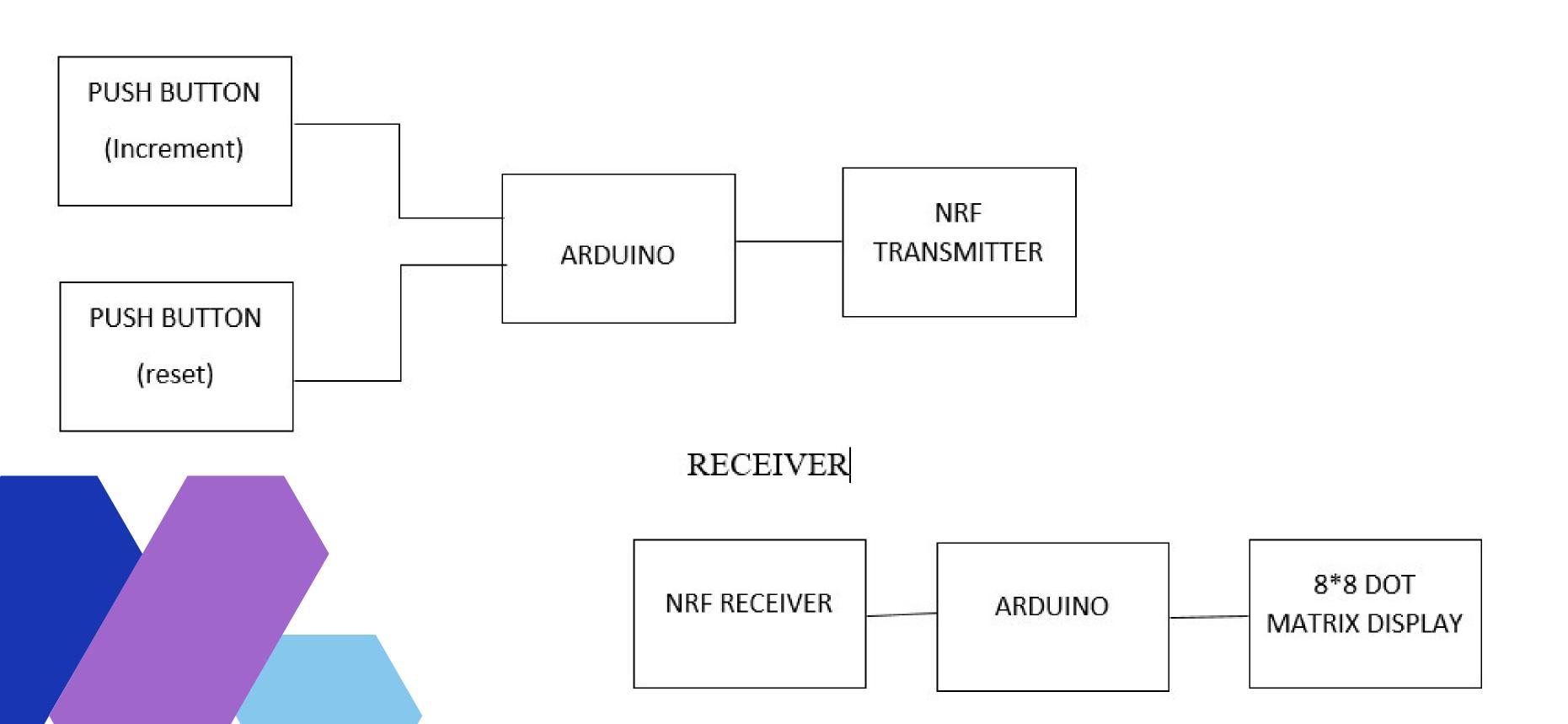
Problem statement:

• To design a device to keep track of the badminton score with 8*8 dot matrix, 2-push buttons (one for each side), with points display from0 to 21.

Applications:

- Score board for indoor sport activities.
- Score board for outdoor sport activities.

Block diagram: TRANSMITTER

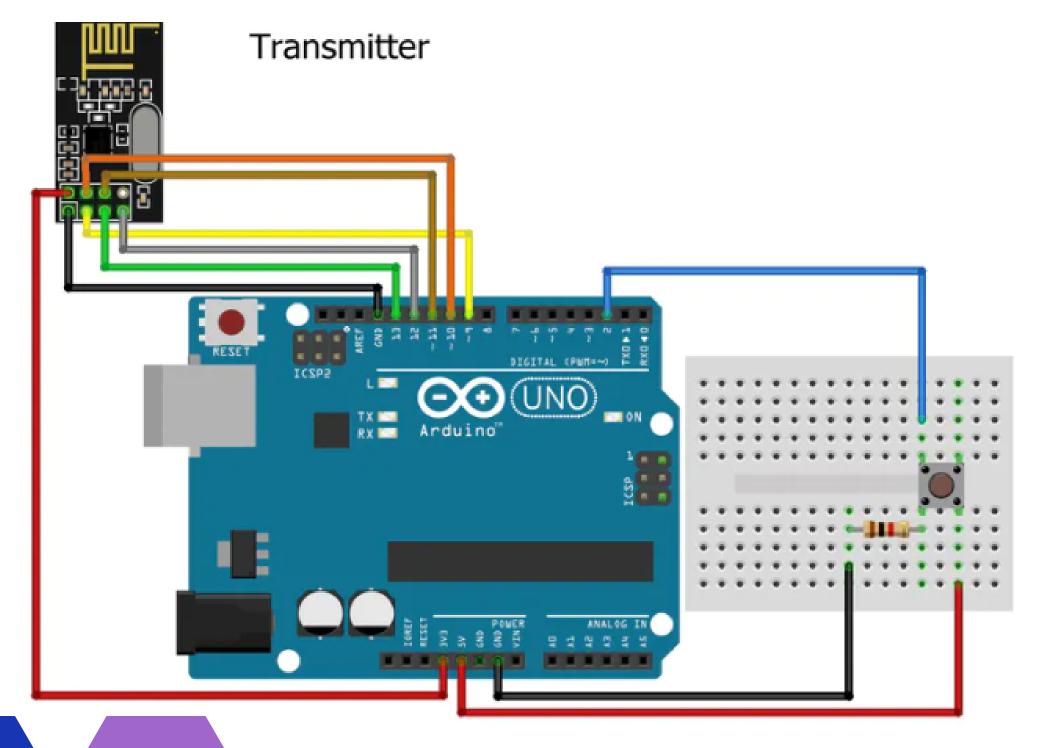


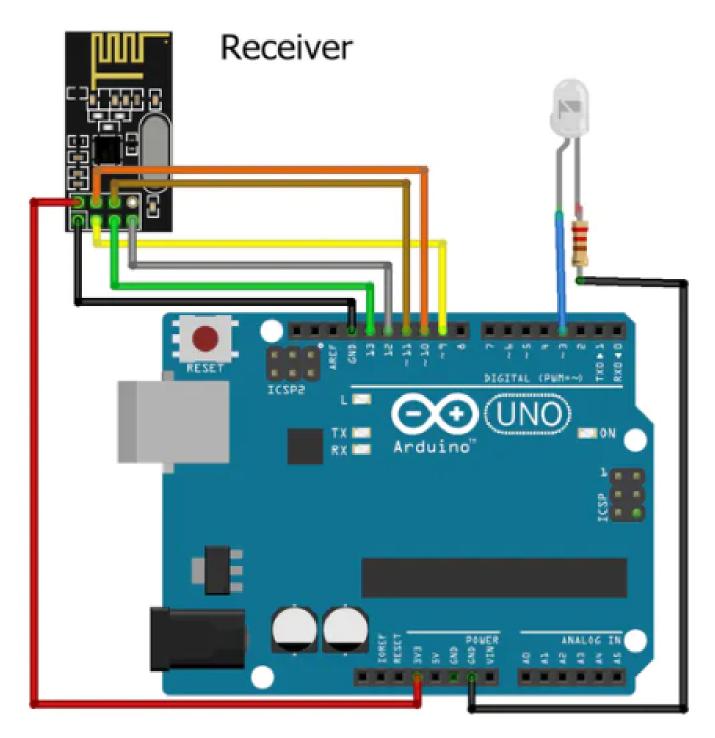
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Bill Of Materials

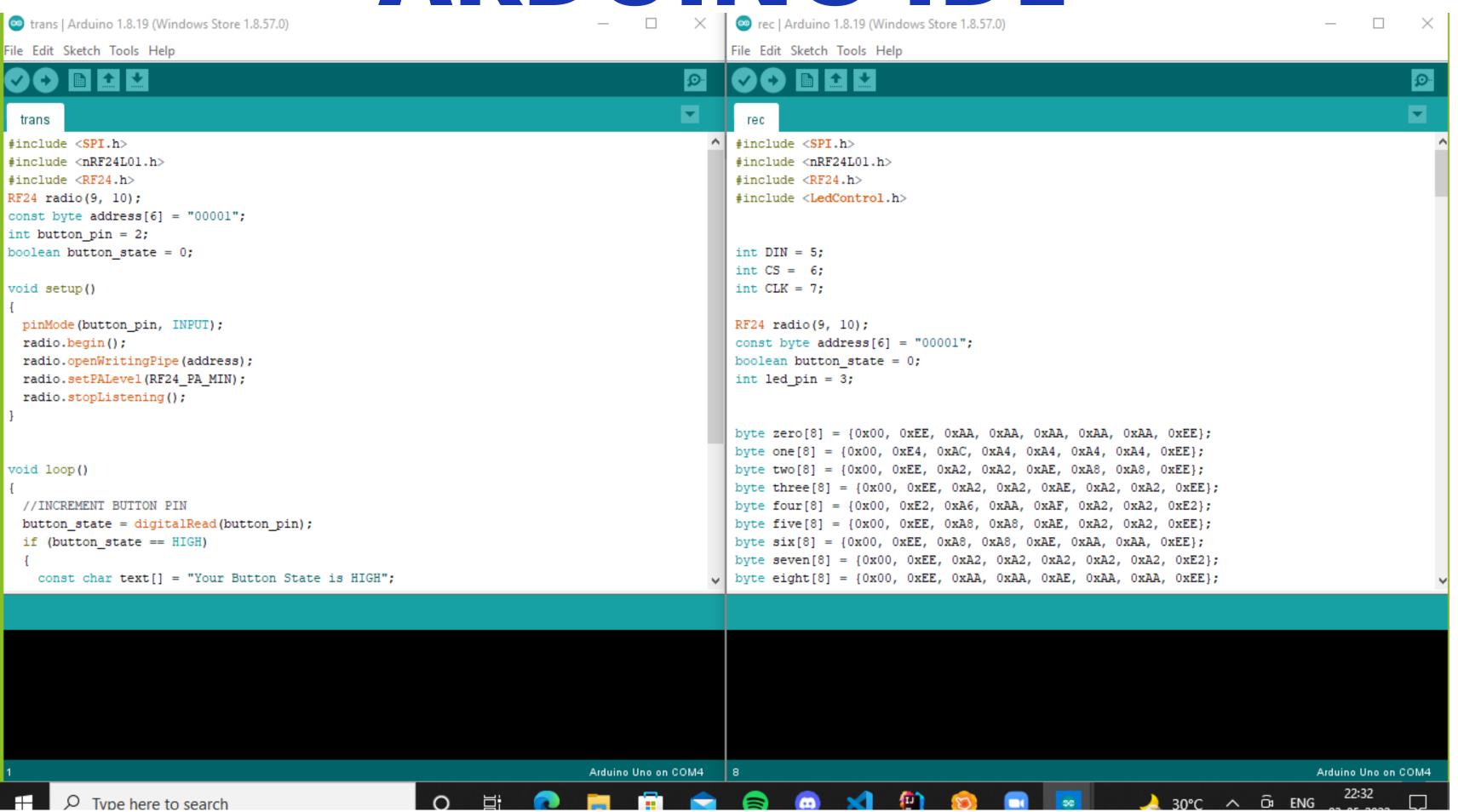
SERIAL NUMBER	COMPONENTS	QUANTITY	COST (RS.)
1	Arduino UNO	2	1298
2	8*8 Dot Matrix	1	165
3	nRf24l01 module	2	160
4	Push button	2	16
5	Jumper Wire	-	122
		TOTAL	RS. 1761

Connections:





ARDUINO IDE



Output:

The project is divided in two parts:

- 1) To use push button for controlling 8*8 dot matrix
- 2) Making this entire circuitry wireless using nRF24l01 Transceiver module

