

# Don Bosco Institute of Technology

## Department of EXTC

AY 2022-2023  
Mini project presentation

# Badminton Score Control

# Smart Watch

### GROUP MEMBERS:

31 : LOVELY VARSHNEY

42 : DHANSHREE PANSARE

60 : DIVYA SHARMA

67 : ABHISHEK WAGHMARE

Project guide: Prof. Jithin Issac  
Group number : 11

## Aim

To increment, decrement and reset score on 8\*8 dot matrix using NRF24L01 transceiver module and push buttons.

## Problem statement

In a lot of games, referees misuse the scoreboard and increment or decrement the score according to their convinience. There can also be confusions or mistakes while writing the score on the scoreboard which can be unfair for either playing team.

## Applications

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

# BLOCK DIAGRAM

## TRANSMITTER



## RECEIVER



# SURVEY

Name	
60 Responses	
Data	Responses
Pratik Jagtap	1
Mayank gupta	1
Krishmika Saha	1
Taher saterdawala	1
Saurabh Bharti	1
Ashutosh Kumar Sharma	1
Jyoti	1
Shradha Shrivastav	1
Divya	1

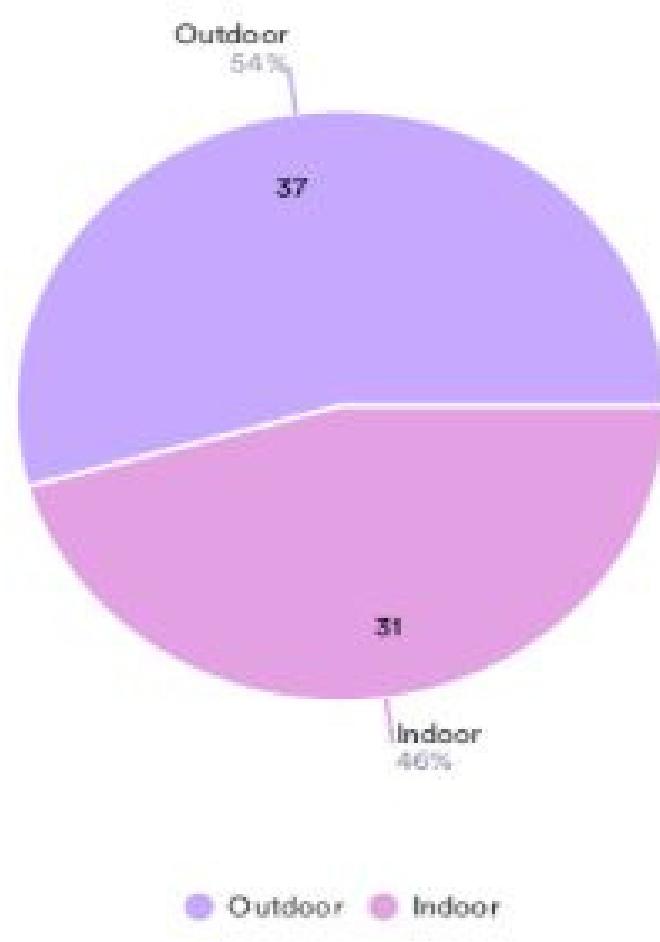
  

College Name	
59 Responses- 1 Empty	
Data	Responses
Rpm	2
CSVTU	2
COEP Technological University	1
United college of engineering and research	1
University Teaching Department chattisgarh swami Vivekanand Technical University bhilai	1
Jai Hind college	1
UDT-CSVTU BHILAI	1
University of Delhi	1
Motilal Nehru national Institute of technology	1

## Score Control Watch - Survey

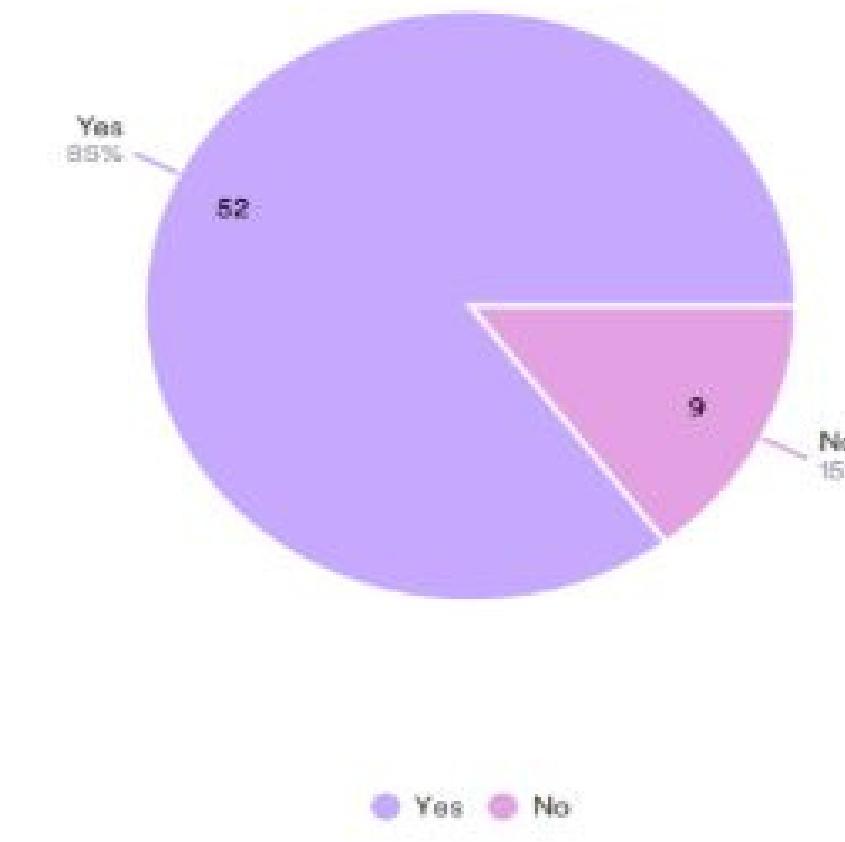
Do you prefer Indoor/Outdoor sports?

68 Responses - 1 Empty



Have you ever played badminton?

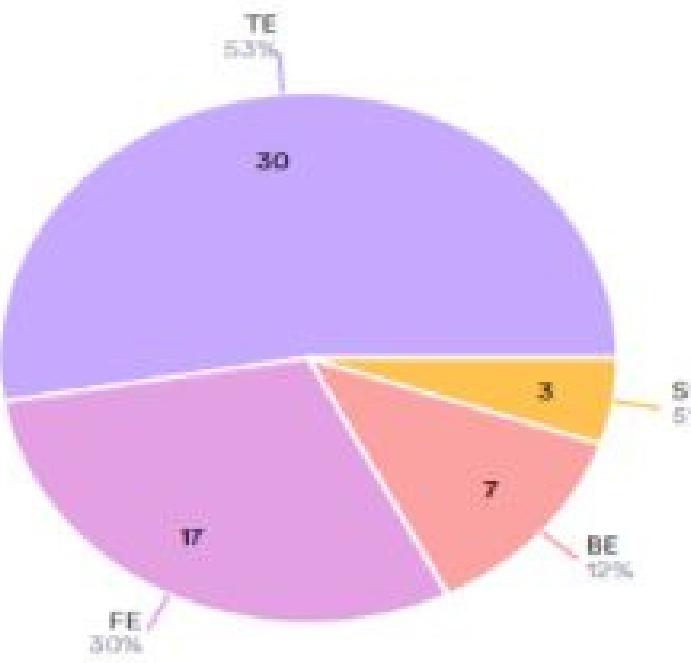
61 Responses



## Score Control Watch - Survey

Year

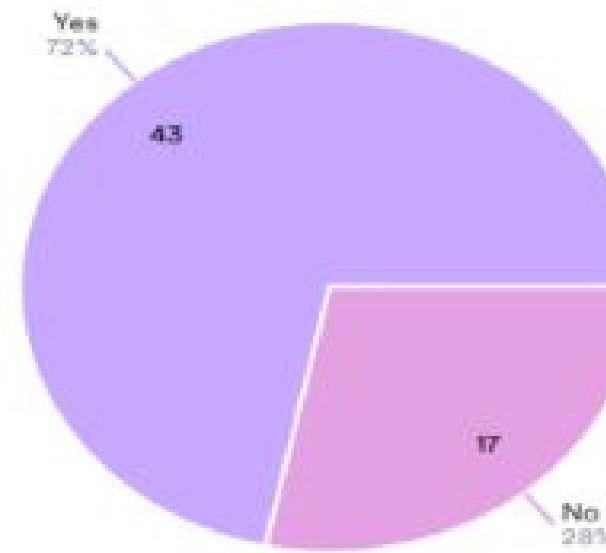
57 Responses- 6 Empty



● TE ● FE ● BE ● SE

Do you play any sport?

60 Responses

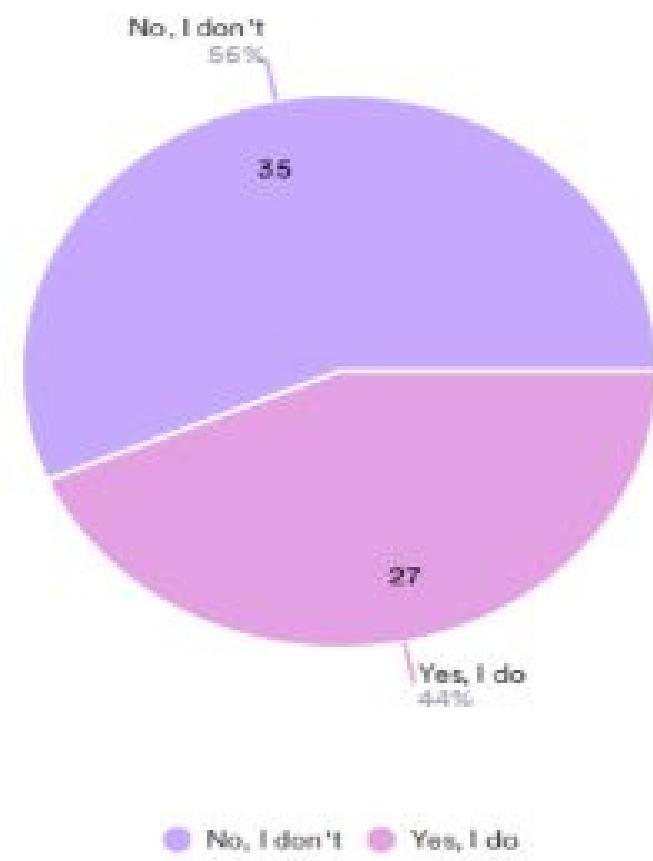


● Yes ● No

## Score Control Watch - Survey

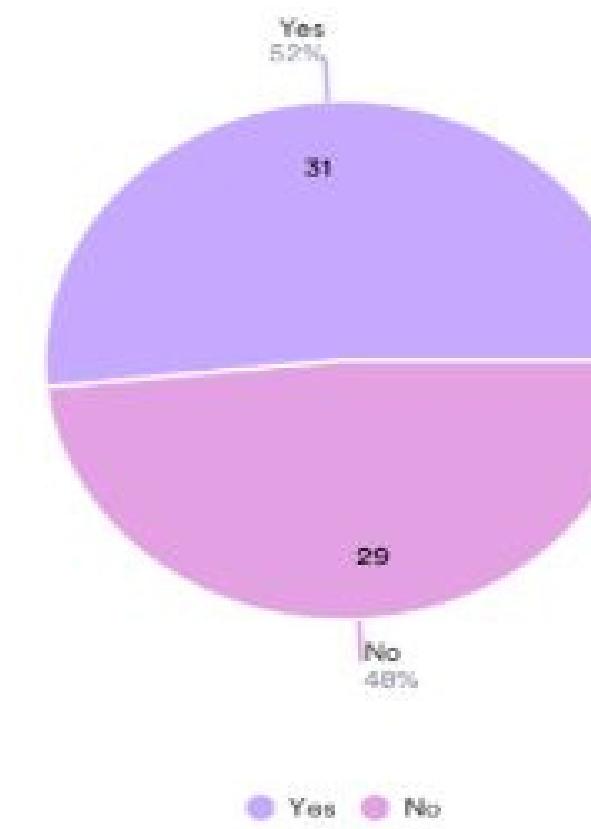
Do you watch professional badminton matches?

62 Responses



Do you have any idea how the score board is maintained/updated during the match?

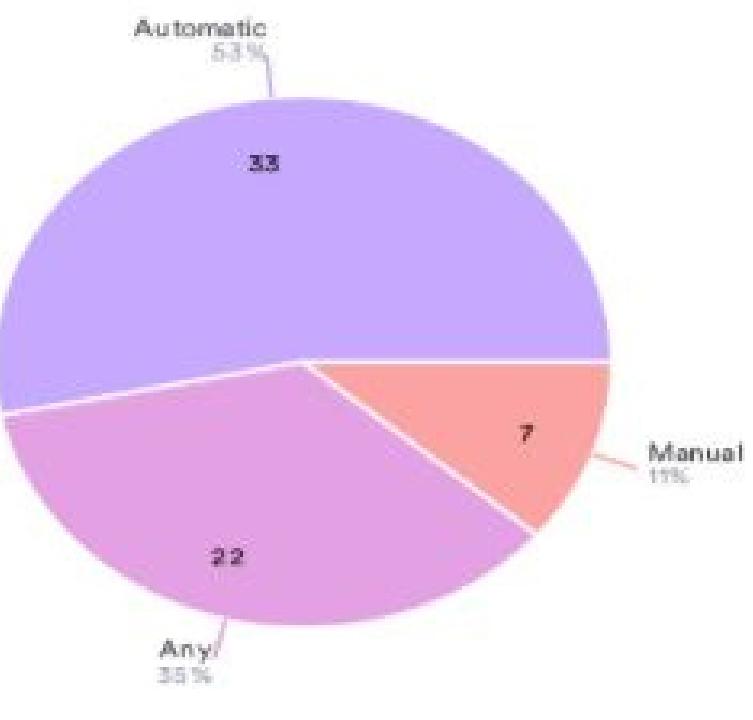
60 Responses



## Score Control Watch - Survey

Which method of updating the score board would you prefer?

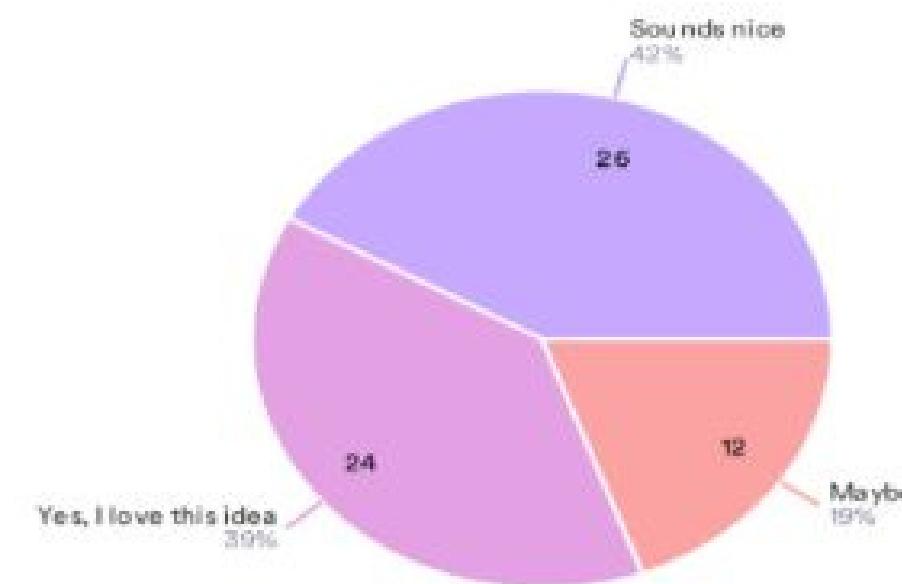
62 Responses



● Automatic ● Any ● Manual

Do you like the idea of using the smart watch that would keep the players updated about the scores?

62 Responses

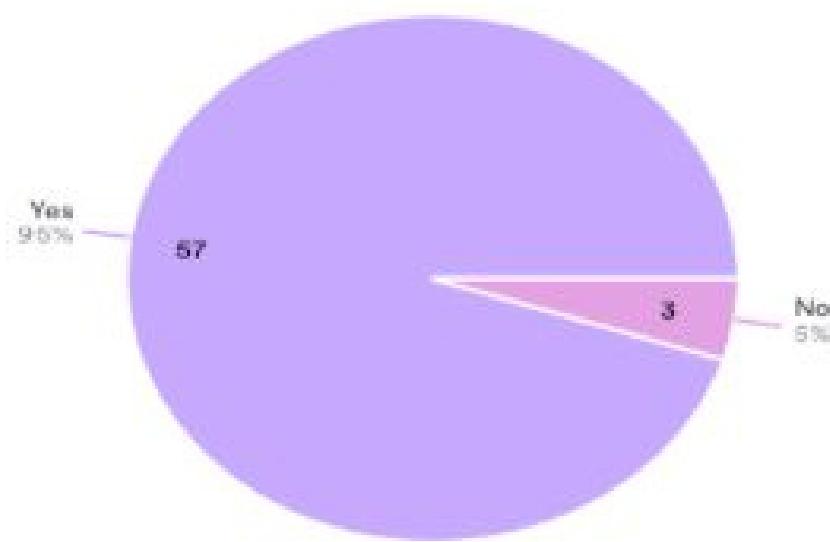


● Sounds nice ● Yes, I love this idea ● Maybe

## Score Control Watch - Survey

May I use the information you have provided as part of my third year project?

60 Responses



● Yes ● No

# List of Materials

SERIAL NUMBER	COMPONENTS	QUANTITY	COST (RS.)
1	STM board	1	1000 (approx)
2	NRF24L01	2	160
3	8*8 dot matrix display	1	165
4	push buttons	3	16
5	jumper wires	-	122
		TOTAL	RS. 1463



**THANK YOU**