DON BOSCO INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

IEEE-DBIT STUDENT BRANCH

Report on "Sumo Wrestle"

Topic: Sumo Wrestle.

Speaker: IEEE & IETE Core Members.

Date & Time: 23rd February, 2019   9:00 a.m.-5.00 p.m.

24th February, 2019   9:00 a.m.-3.00 p.m.

28th February, 2019   9:00 a.m.-4.00 p.m.

Venue: Seminar Hall, Fourth Floor, Block -A

Audience: 75 participants (33 from FE, 17 from SE, 25 from TE)

Description:

   A) Day 1-23rd February, 2019

The event started by Mr. Arnold welcoming the Principal, HOD, IEEE coordinator, IETE coordinator. Mr. Siddhesh then briefed the participants about the microcontroller. He also told them the difference between microcontroller &microprocessor followed by Mr. Nilesh telling them about how arduino works, its functions, its pin configuration and gave them a small idea about IDE software. He even explained the components used in the bot.

Ms. Manisha then gave instructions to the participants about writing a program in arduino and explained them the basic LED blinking code followed by Ms. Sayli explaining the concept of serial communication and serial monitor. Information about motor & driver controlling speed was given by Ms. Manisha. The conection of the bot was explained throughout by presentation.

The Bluetooth coding of the bot was explained by Mr. Nilesh.

2) Day 2- 24th February, 2019

The event started with Mr. Sumantu explaining the various sensors used and emphasizing more on IR sensor and ultrasonic sensor. The auto coding of the bot was explained by Mr. Pransu & Ms. Manisha. The various interrupts in arduino was briefed by Mr.Nilesh.

The rules for the competition and various other parameters that would be taken in account was explained by Mr. Sumantu.

3) Day 2- 28th February, 2019

The day started by solving the glitches in the participants bots by the volunteers.

The first Round took place at 10:30 where 18 groups participated. Each group had 3 matches with the opponent

1. Manual mode (bot was controlled using Bluetooth)
2. Autonomous
3. Choice based (Manual or Autonomous)

Round 1:

ROUND-1 (KNOCK-OUT)				
		TIMINGS	WINNER	POINTS
MATCH-1	GROUP-14	10:00 AM	GROUP-14	10
	GROUP-5			
MATCH-2	GROUP-17	10:00AM	GROUP-17	11
	GROUP-19			
MATCH-3	GROUP-10	10:00 AM	GROUP-10	5+Bi
	GROUP-13			
MATCH4	GROUP-6	10:00 AM	GROUP-6	Bi
	GROUP-8			
MATCH-5	GROUP-7	10:30 AM	GROUP-7	15
	GROUP-18			

			Winner	
MATCH-6	GROUP-2	10:30 AM	GROUP-1	15
	GROUP-1			
MATCH-7	GROUP-3	10:30 AM	GROUP-11	Bi
	GROUP-11			
MATCH-8	GROUP-12	10:30 AM	GROUP-12	12
	GROUP-5			
MATCH-9	GROUP-16	11:00 AM	GROUP-16	13
	GROUP-4			

The Second Round will be a best of three fixtures, where Three winners from ROUND-1 will compete against each other and one Group will move to the next round.

Round 2:

		TIMINGS	Winner	Points	
MATCH-10	GROUP-14	11:30 PM	GROUP-14	15	
	GROUP-17				GROUP-14
MATCH-11	GROUP-14	12:00PM	GROUP-14	10	
	GROUP-10				
MATCH12	GROUP-17	12:30 PM	GROUP-10	10	
	GROUP-10				
MATCH-13	GROUP-6	11:30 AM	GROUP-6	13	
	GROUP-7				GROUP-6
MATCH-14	GROUP-6	12:00PM	GROUP-6	10	
	GROUP-1				
MATCH-15	GROUP-7	12:30 PM	GROUP-7	11	
	GROUP-1				

MATCH-16	GROUP-11	11:30 AM	GROUP-11	10	
	GROUP-12				
MATCH-17	GROUP-11	12:00PM	GROUP-16	16	GROUP-16
	GROUP-16				
MATCH-18	GROUP-12	12:30 PM	GROUP-12	11	
	GROUP-16				

The Third Round will be a best of three fixtures, where the winning groups will compete against each other and two Group will move to the next round**.**

Round 3:

ROUND-3(SEMI-FINALS)				
		TIMINGS	Winner	Points
MATCH-19	GROUP-14	1:00 PM	GROUP-6	11
	GROUP-6			
MATCH-20	GROUP-14	1.30 PM	GROUP-14	15
	GROUP-16			
MATCH-21	GROUP-6	2:00 PM	GROUP-6	15
	GROUP-16			

Top Two Teams from Round 3 will compete against each other for the Final Round (TEAM A AND TEAM B).

Round 4:

	ROUND-4(FINAL)	TIMINGS	WINNER	POINTS
MATCH-22	GROUP-6 VS GROUP-14	2:30 PM	GROUP-14	10

Winners;

1st Place   : Nitin Kak, Indrajeet Yadav, Viraj Yevale & Saadiya Dafedar.

2nd Place   : Jarryd Dsouza, Aaron Lobo, Valentine Miranda & Leyton D'silva

<u>Feedback :</u>

1)

Leyton D'silva S.E.I.T.

The event was quite a thrill as well as very informative. This is the first time I learnt how to code an arduino micro-controller even though this not being the first I used one. The volunteers were extremely helpful, cooperative and guided me and our team well in the event.
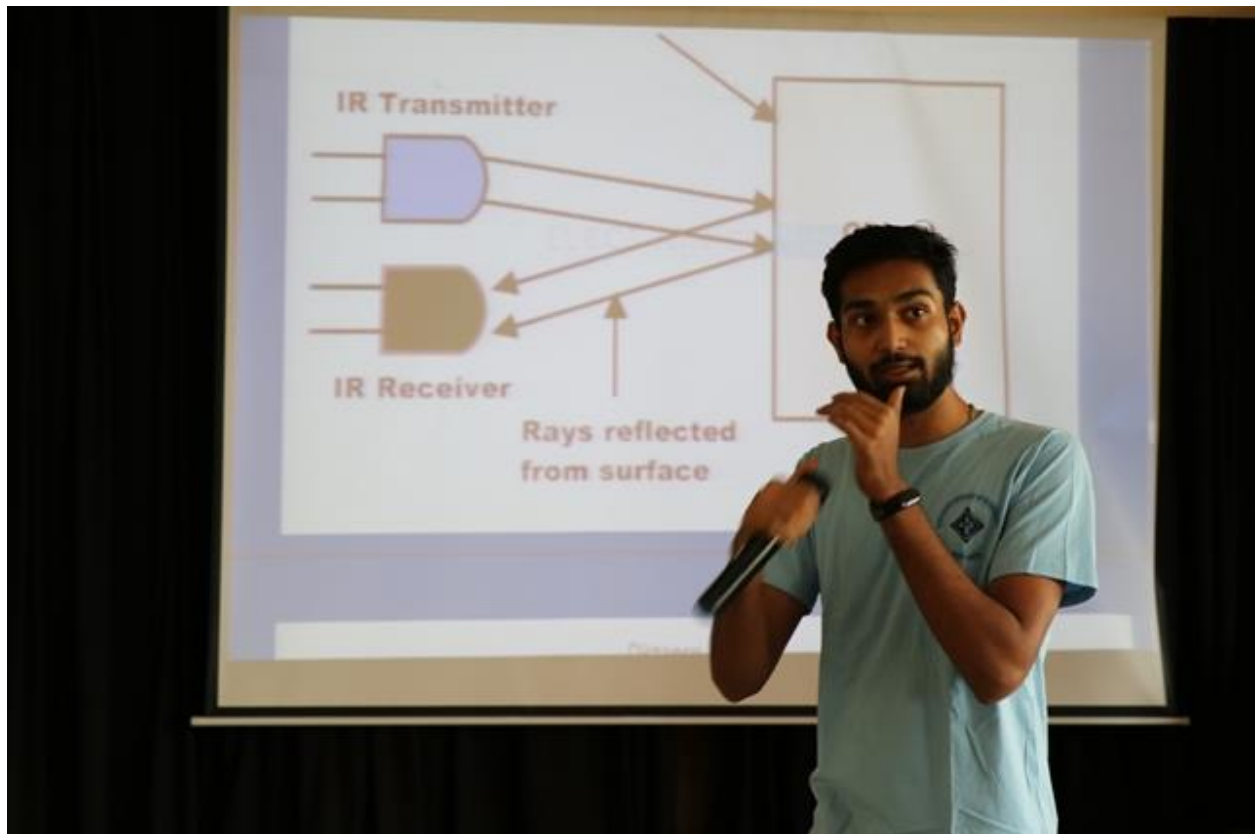
2)

Rozario Dominic D'souza TE-MECH B

It was a privilege to experience such a learning experience with everyone ready to help without losing patience and teaching everything to the best of their capabilities. Only qualms would be the malfunctioning of the robot due to some programming or data reading error of arduino. Moreover the problem of the event clashing with other events meant that that half of the group couldn't turn up to witness the wrestling. It'd be great if it was preponed by week from Colosseum days. Other than everything was meticulous and it was an enjoyable experience. Thanks.

Event Photographs:

Report Prepared by: Ms. Shraddha Sharad Naik (TE EXTC)

Report Approved by: Ms. Lakshmi Vinayakvitthal (IEEE Co-ordinator)