

Team H.B.R.

RoboCup junior soccer
championship 2021

Hamdan Bin Rashid BOYS
School Cycle 3

U.A.E



Team members present them selves



Abdulla Ibrahim



Mohammed Alhur Alsuwidi



Ahmad Abdulmajeed

Our Monitor Mis / Safaa Mohamed Roshdi

Our Goals

knowledge well about robots and how to use the hardware, moreover by this competition we will improve our skills and knowledge. Robots may take a big place in the future, so this is one of the main reasons. Programming is everything in these days and most jobs are focusing in programming and this competition encourages us to know about artificial intelligence which is the most common major in the world by 21 century.

The Team consists of 3 persons

Abdulla, He is responsaple of Software

Mohammed, He is responsaple of Hardware

Ahmad, He is responsaple of Hardware and reporting.

The Hardware

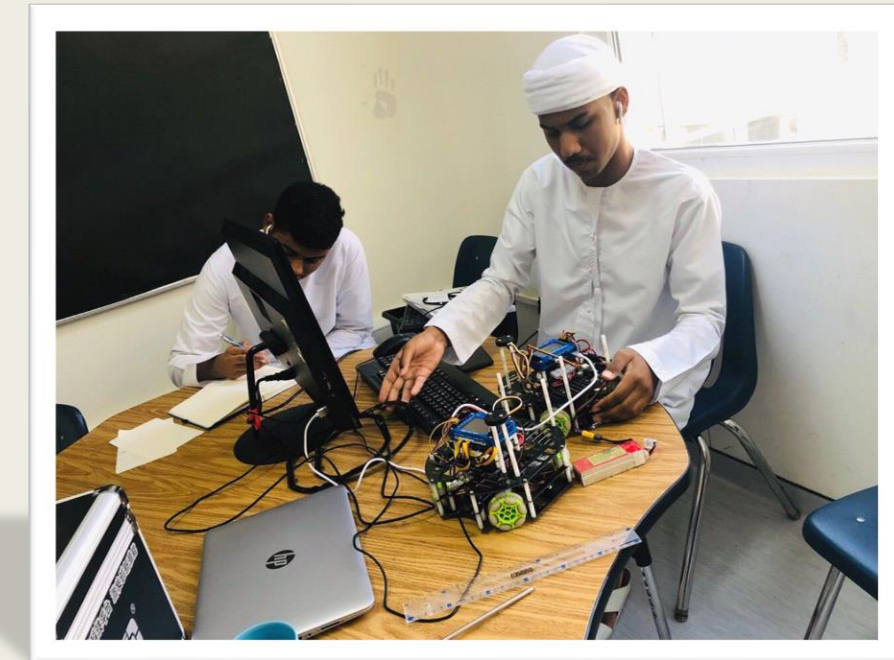
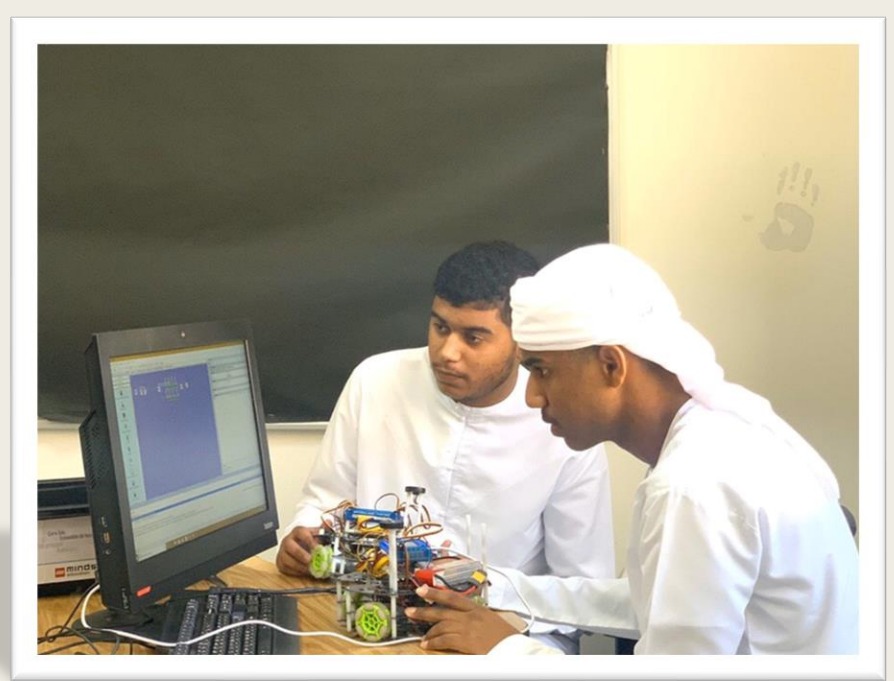
the beginning When we got the robots started learning and taking some photos to know where the wiring goes and the sensors When we take it apart. What did we do to Reduce weight? :

We took off the third layer and reduced the height by taking some parts off by the player we took all off the ultra sonic sensors off and the back IR sensor and moved some of the switches to the inside to protect them from any damage on Impact in the game just in case but Goal keeper we kept two ultra sonic pointed at the goal to prevent it to enter the goal and that's it.

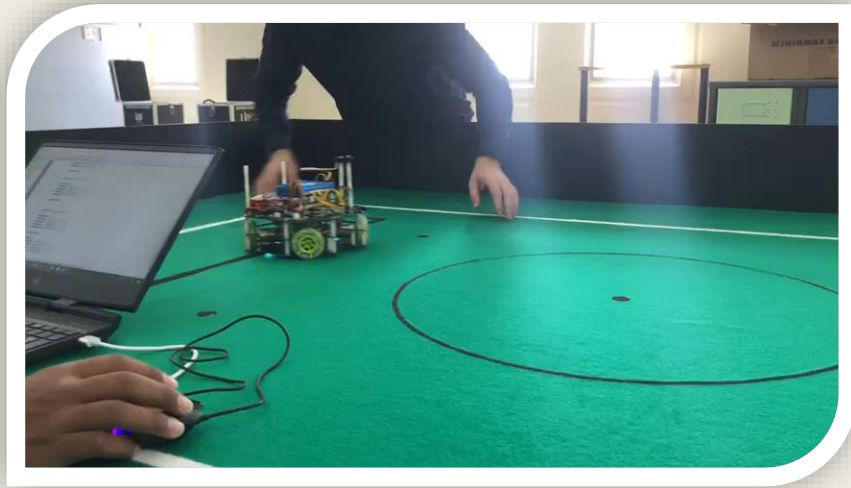


The Software

we have different programming for the goalkeeper and the attacker, our strategy in programming in for the goalkeeper is moving on the front the goal and not staying on the same place, I will talk a little bit more about it, In both robots there are more than two sensors. The first thing I have to do is to define the campus then the motors if they move front or back after that we have the color sensors they can see the color and I programmed them to not pass the white line for both robots, and about the IR sensors are for following the ball also for both robots that they can know where is the ball.



Videos show some of team activities





Our Achievements



We participated in UAE Robocup Soccer competition in Abu Dhabi Feb 24, 2020

We got The Best Teamwork Award

TheThird Place in Soccer Light .



OUR ACHIEVEMENTS

Aspirations and wishes

- To win in this world competition
- To Be Employed in The Field Of Robotics
- To Benefit Our Country.