

CyberSalam #26903



Newsletter & Updates

November 2025



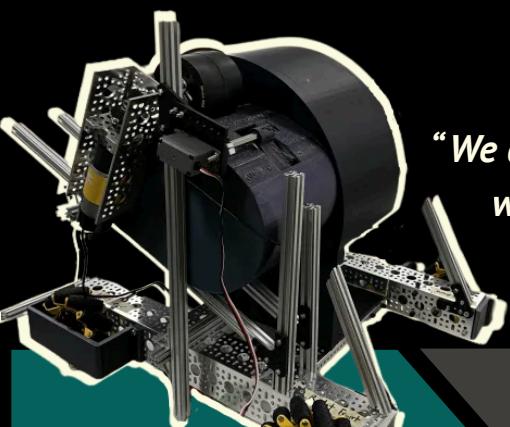
Volume 1

GALLERY



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*"We don't use kids to build robots,
we use robots to build kids."*

LM1 Recap

What went well?

Our team had several successes during the meet that we're proud to highlight.

On the hardware side, the intake-to-magazine transfer worked smoothly, and the shooter consistently delivered accurate shots throughout our matches.

From a software perspective, we were relieved that no major last-minute changes were required, allowing us to focus fully on performance rather than troubleshooting.

In terms of strategy, the event fostered a collaborative atmosphere—teams were open about their designs, equipment, and approaches, which made the competition feel supportive as well as competitive.

These wins gave us confidence and momentum heading into the next league meet.

While the meet was a valuable learning experience, it also revealed several areas where we can grow.

On the hardware side, we struggled with operating the rotor manually since it hadn't yet been coded, which limited our efficiency during matches.

From a software perspective, switching shooter speeds proved difficult in real-time, creating challenges in adapting to different game situations.

In terms of strategy, we realized we weren't as active in scouting other teams beforehand, which left us less prepared to anticipate their strengths and tactics.

Overall, the robot's performance was weaker than expected because it hadn't been fully tuned or tested, reminding us of the importance of thorough preparation. These lessons will guide our adjustments as we refine both our robot and our approach for future competitions.

Lessons Learned

STATS

11/01/2025 - Westwood HS

36 teams total

2 wins, 3 losses

HIGHLIGHTS

Cool Robot Feature Used

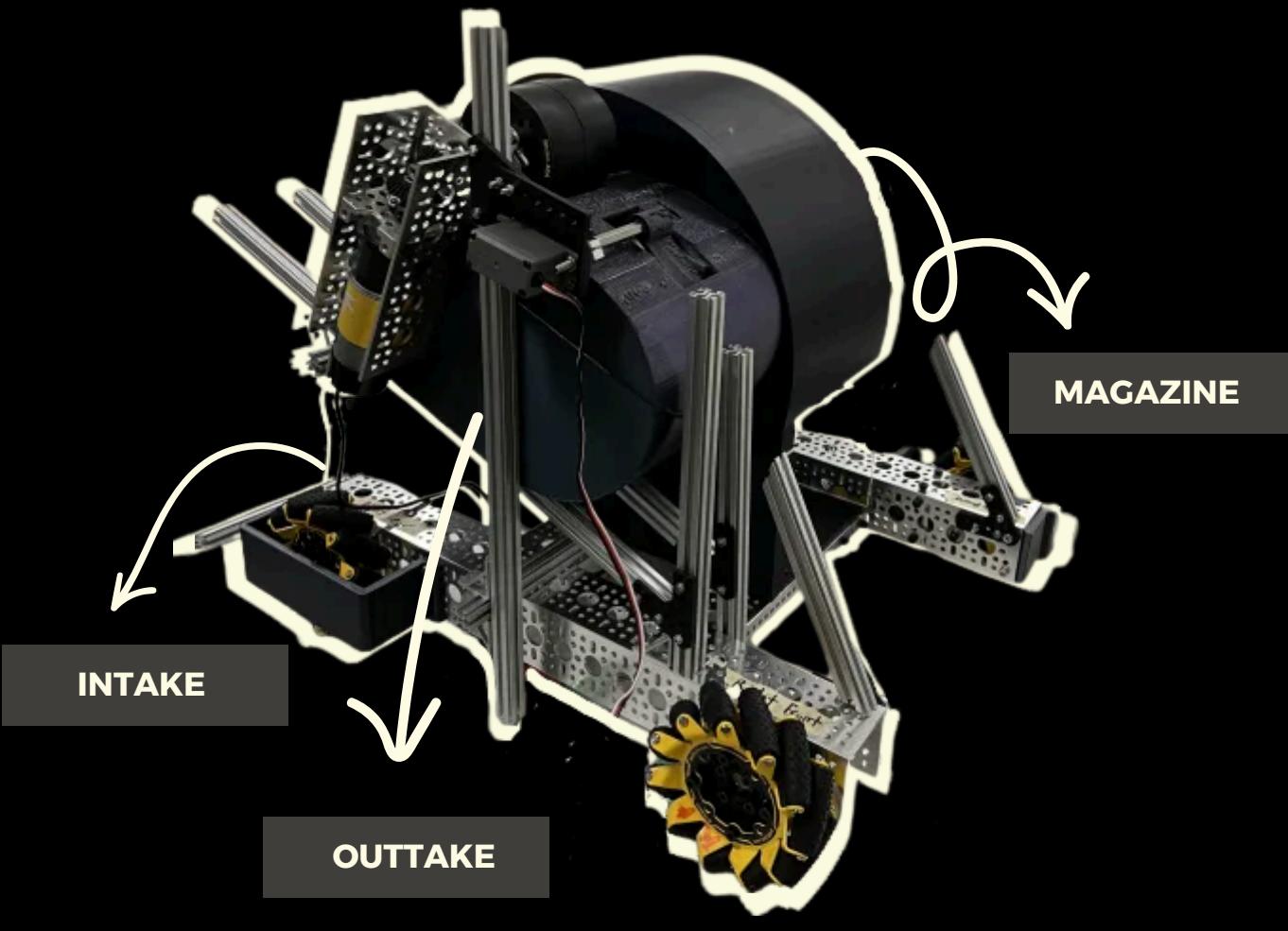
We successfully tested our magazine fully for the first time! It can hold three balls & transfer them to our shooter. The shooter uses a kick-up mechanism that launches the balls consistently.

Reuniting
with
Qubitbots!
#23312



Strategizing for a match!

Robot Design



DESCRIPTION

Our robot for the 2025-26 decode season is fully custom-designed. Our goal for this season is to differentiate ourselves from our opponents and do something unique. In that aspect, we had designed a robot that uses a magazine storage system to allow us to shoot the colored balls in any pattern we wished. Combining this with a rubber band intake and a compression-based outtake allows our robot to shoot and match patterns effectively, allowing us to get those extra points.

Outreach

NAMCC FLL TEAM

As a team, we always remember our roots with FIRST Robotics and lend help and support to FLL teams.

This past summer, we helped host a summer introductory camp for kids to help them transition to FLL. We also have pop-ups throughout out the year to spread the word about robotics in the community



FLL Summer Program Awards Ceremony

NEW MENTOR

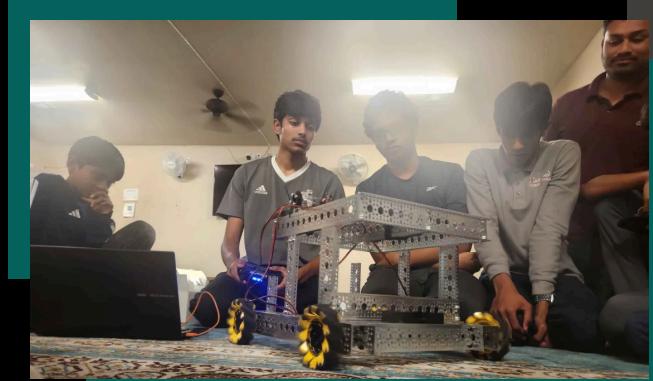
Brother Saad found out about our FTC team from the mentors and attended our team meetings. He brings versatile experience from his years in FIRST, having competed in both FTC and FRC, and even advancing to the World Championship. He helped us tuning pedropathing and provided strategies on the robot design. We appreciate his presence.

MENTOR ICRR FTC TEAM

Our team founded and mentors a new FTC team.

We were able to expand robotics in our Muslim community and use our experience to support the new team.

Under the leadership of our team, their rookie team was able to perform very well at their league meet.



Team Spotlight

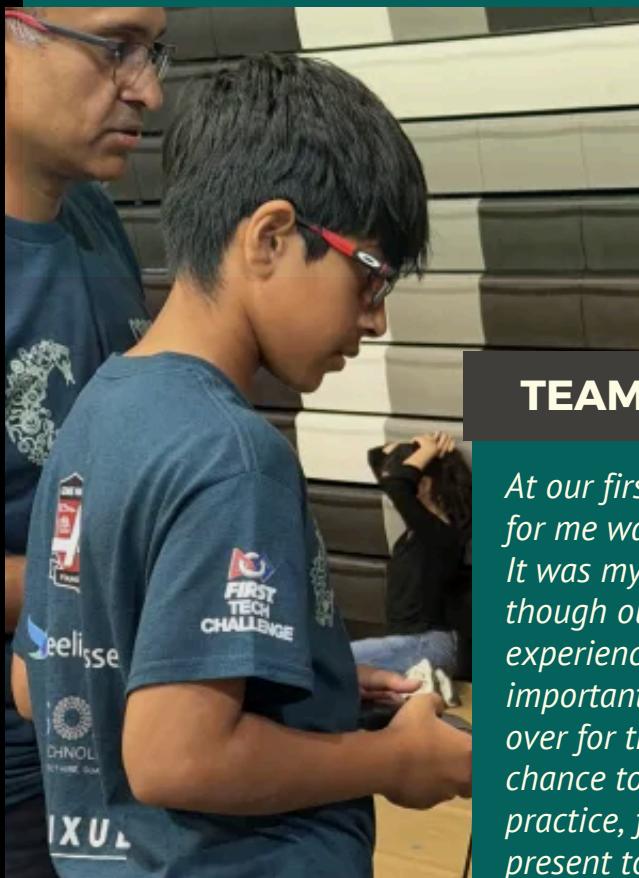
TEAM VOICE

The most memorable part of our first League Meet this season was witnessing our very first game and winning it. It felt surreal to see the robot we had spent so many hours building finally compete and operate in real time, proving our place among hardworking teams. Moving forward, I hope we continue improving and aim even higher with our robot's performance and design.

Sarah



Hammad



TEAM VOICE

At our first League Meet of this season, the best part for me was driving the robot in a match with Zidan. It was my first time behind the controls, and even though our robot is slower than some teams, the experience was exciting and showed me how important driver practice is. After that, Abrar took over for the rest of the games, but I'm glad I got the chance to learn. Going forward, we need more practice, faster performance, and the whole team present to keep improving.

What's Next?



HARDWARE

After observing our robot in action during matches, we identified three key areas to focus on before the next meet. First, our current rubber band intake is unreliable, so we're considering switching to a noodle intake or adding a second roller. Second, the transfer system takes too long, which could be improved by enlarging the hole between the indexer and outtake. Finally, we plan to add a color sensor to the magazine to boost efficiency and accuracy.

SOFTWARE

The software team is working hard on making improvements to our current robot, mostly including coding specified presets for our indexer, increasing intake efficiency, and coding an autonomous for league meet 2.

OUTREACH

After hosting our summer robotics camp, we plan to continue mentoring the FLL students by supporting them with robot design, problem-solving, and guidance on their Innovation Project. In addition, we want to raise more awareness of the mosque's FTC and FLL programs, so we'll be organizing information sessions or pop-ups to engage the community and inspire future participants.