

# OUTREACH/SOCIAL GOOD COLLABORATION WITH BRAMPTON ROBOTICS

**Brampton Robotics** is a non-profit organization established to promote STEM education through robotics among youth in the community. Our teams, known as "Discobots Canada," were founded by a group of high school students who were 2014 Vex Robotics World Champions, along with their parent mentors, as a way of giving back to the community.

Our organization aims to provide a platform for students from various schools to collaborate, share knowledge, and develop an interest in STEM through robotics. We are a certified event partner for the Robotics Education and Competition Foundation, and we also host many regional competitions to create opportunities for students from all over Ontario to participate and compete.



**Brampton Robotics - Team 1140X  
in Vex Middle School Category**

Our mentors at Brampton Robotics bring a wealth of experience to the table, having competed and mentored in the VEX Robotics Competition for multiple years. They have a deep understanding of the intricacies of the competition, as well as the skills and knowledge required to succeed. Our mentors are passionate about sharing their knowledge and expertise and take pride in their involvement with the community.

We are committed to inspiring students to learn about STEM and develop the skills necessary for future success, such as leadership, project management, marketing, and engineering. We are also hosting Girl Power events to create awareness for the engagement of girls in STEM and also inspire many girls towards STEM education. Our core values are creativity, respect, teamwork, innovation, and promoting diversity.

As we wrap up the 2023 – 2024 Season, I want to take a moment to thank Beaula Prashanth – Director of Outreach & team, and the wider PMI Lakeshore Ontario Chapter for your support by providing volunteer resources to conduct judging duties at our events, making it a successful season and an unforgettable experience for the school teams that attended the events.

With this partnership with the PMI Lakeshore Ontario Chapter, we were able to successfully host 5 robotics competitions, hosting 300 teams, 1800 + students, 40 hours of competition experience, and an opportunity for the teams to qualify for the provincial championship.

Some of the teams will represent Ontario, Canada and compete at the **2024 VEX Robotics World Championship** in April 2024. One of the teams from Brampton Robotics - Team 1140X in Vex Middle School Category, Jerry Lin, Andrew He & Bryan He will also be representing Ontario at the **2024 VEX Robotics World Championship in April 2024.**

We will be celebrating our 10th Anniversary this summer and are happy to promote STEM education in the community and make a positive impact in the lives of more than 2000+ students in the last 10 years.

We look for a stronger partnership with PMILOC to support STEM education and Volunteer opportunities during the Robotics Competitions in the new season.

**Pankaj Saxena, PMP, Founder, Brampton Robotics**

For upcoming competitions, reach out to **Brampton Robotics.**

**Beaula Prashanth, PMP, LSSGB, Director Outreach & Outreach Team**



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**PMI** Project Management Institute. Lakeshore, Ontario

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# 2024 VEX ROBOTICS WORLD CHAMPIONSHIP MIDDLE SCHOOL EVENT TEXAS, US, APRIL 28, 2024 TO APRIL 30, 2024 RESULTS

**Team 1140X**—comprised of Jerry Lin, Andrew He, and Bryan He, also known as Discobots Toronto - XM Robotics—performed exceptionally well at the VRC MS competition, earning the prestigious “**Inspire Award**” for inspiring other teams with their robot design. Additionally, the team achieved an impressive 5th place in the **World Skills Rankings** with a total score of 362 Points.

The Inspire Award is awarded to a team that demonstrates outstanding leadership through action to other teams. This team is identified by their peers as a leader in innovative and creative design within the robotics community. They serve as an example to others and embrace the concept of cooperative learning. Cooperative learning is based on inspiring other teams' designs or openly sharing their design ideas with others.

Thank you, Jerry, Andrew, and Bryan, for your tremendous effort, dedication, and commitment throughout the season. Your achievements, including bringing home the “Inspire Award,” mark a significant celebration of 10 years of Discobots history this summer.



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## PMI PROJECT MANAGEMENT READY CERTIFICATION (PM READY)



At Brampton Robotics, students incorporate Project Management principles into the Engineering Design process. They start by identifying the problem, brainstorming potential prototype solutions, and then selecting the best solution to proceed with building the prototype. Finally, they test and document the entire process as a team. To further enhance students' project management skills, PMILOC and Brampton Robotics are jointly encouraging students to pursue PMI's Project Management Ready Certification.

We would also like to take this opportunity to congratulate **Aryaen Sharma**, G12 Student at Castlebrooke Secondary School, Brampton, Ontario, and a member of Brampton Robotics, for his dedication and commitment in attaining the Project Management Ready™ Certification and being the first credential holder. This achievement is part of the PMILOC Youth & Social Impact Sponsorship Initiative, which aims to promote the discipline of project management among the youth.



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