

ROBOTICS REGIONAL
COMPETITION
IN
PROGRESS...



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=== Introduction ===

When you enter a room or meeting and before you talk, you may notice a few things. They could be the light switches, the button panels or the gadgets on stand-by. It happens instantly having an awareness of electricity.

As you may know, this can help you understand the environment before you decide on the next step for your actions. You may even recall at work in 6 years' time that they started here when you interview them.

=== Competition Features ===

- + Two alliances, red vs blue, of three teams each side.
 - + Teams have a 4-digit identifier.
 - + STEM focus for participants.
- + Answers from the information desk:
- a) FRC (First Robotics Competition) caters for Secondary School from 13 year olds.
<https://www.firstinspires.org/robotics/frc>
 - b) FTC (First Tech Challenge) caters for Primary to Secondary overlap
 - c) FLL (First LEGO League) caters for 8-14 year olds.

=== Invited Teams ===

There were 47 registered of the 50 places. Some were from across Australia, China, Philippines, Singapore and Taiwan. It was sponsored by Crescendo from the USA. Macquarie University was the local host.

For your curiosity, a link to the teams in this competition is: <https://frc-events.firstinspires.org/2024/AUSC>

Crescendo's YT Channel is: <https://www.youtube.com/@FIRSTRoboticsCompetition>

=== Volunteers ===

90% of the ground crew were volunteers. Different types were Judges, Referees, Robot Inspectors, Field, Score Card, Administrators, Spare Parts and Pit Area helpers. The individual teams had their Mentors, Coaches and Public relations people.

=== EMU Robotics - Team 4729 ===

a) Sponsors

- + University of NSW
- + Rockwell Automation
- + Intuitive Foundation & University of NSW

b) Previous Competitions

- + 2023 (11/37), 2022 (12/27), 2013 (Rookie Year).
- + Team History: <https://frc-events.firstinspires.org/team/4729>

c) Pit Experts

Mentors & Mechatronics students (A-Z): Dawud, Joel, Keith, Max, Ryan.

d) Result Sheets

+ Pick your link to click. Ranked of 27 from 47. Team 4729 statistics: <https://frc-events.firstinspires.org/2024/team/4729>

+ For the "Team Sustainability" award, see the <Awards> tab. It was given to indicate the robot was made from the earlier stripped down robots. The ratchet winding system for the arms had broke early-on and greatly reduced their performance.

+ For the Team Qualifying Clips, see the <Videos> tab.

+ Ranking for all teams: <https://frc-events.firstinspires.org/2024/AUSC/rankings>

=== YT Clips & Playlist ===

Qualifiers 1-79: <https://www.youtube.com/watch?v=vjOVfXv6R3U&list=PLZT9plgNOV6a6Y8kgt3v5tyqwG8ETP1ZP>

Results of 79 qualifying rounds: <https://frc-events.firstinspires.org/2024/AUSC/qualifications>

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// Ctee: @Kaveh, @Luke, @Edmund, @Shakthi, @Vijay, and Prof. @JulienE

// Previous Ctee: @GaganSK, @SomanshA, @SimonB, @MatthewR