IES Engineering Award

Unleashing Passion

Jeremy Matthew Setyawan

Higher Nitec in Mechatronics Engineering
ITE College West

From a young age, Jeremy developed a fascination with robots and the possibilities of making things move by themselves. His interest grew after his parents introduced him to building LEGO robots.

Jeremy's learning journey however, was filled with challenges. Being diagnosed with dyslexia, he struggled with writing and comprehension. This affected his academic performance and confidence.

The situation improved for Jeremy, after he entered ITE. The hands-on nature of learning at ITE appealed to him, and he also enjoyed his course of study. When taking notes in class, he began drawing diagrams to better visualise what was being taught. Jeremy also sought to hone his skills by participating in various competitions. These included the WorldSkills Singapore 2023 competition, where he partnered with a classmate to compete in the skill area of Mechatronics.

TOP ACHIEVEMENTS

• Representing ITE at the WorldSkills Singapore 2023 competition, Jeremy and his classmate clinched the Silver Medal in the skill area of Mechatronics.

• As the top performer of his course, he was awarded the Gold Course Medal upon graduation.

• For designing a robotic-arm assisted plastic waste sorting system, Jeremy and his team finished in fourth place at the Human Collaboration Robot 2022 competition organised by Universal Robots and ITE.

BREAKING BOUNDARIES

"My greatest takeaway from ITE was to not worry about making mistakes. It is through mistakes that we learn to become better. I am glad to have lecturers who are more forgiving of mistakes. They helped me gain confidence to try out new experiences, without the fear of making mistakes. My competition experiences have given me a lot of new knowledge on robotics, beyond what I learned in the classroom. I also made really good friends at ITE, and we helped each other out to do well together."

AFTER ITE

Jeremy is pursuing a Diploma in Mechatronics & Robotics at Singapore Polytechnic. He plans to take a robotics-related degree after attaining his Diploma, and build a career in robotics design.