# DEVELOPING A ROBOTIC TEACHING AND LEARNING AID

## Effective Therapy for Autistic Children in Malaysia

Noreen Izza Arshad
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# RESEARCH AIMS



**The aim of this project is to introduce the intervention of robotics in teaching and learning. This will help autistic kids to be more focus in learning as well as experiencing immersive learning through engagement with technology.**

## WHY INTRODUCE ROBOTS TO THE AUTISTIC KIDS?

The idea of introducing robots to these special kids with autism started when parents and teachers asked us the possibilities of letting their kids with robots. The kids feel interested to touch, look at and play with the robots. And… that is when we taught, "why not???" That is how it was initially started. Just because they are different, why not they get the same opportunities?

We started to conduct research in introducing the robots to these kids. We look at what has been done elsewhere. We came across a famous researcher cum practitioner, Professor Dan Legoff. He found that many autistic children are already drawn to and love LEGOs. That is when neuropsychologist Dr. Daniel LeGoff started experimenting with LEGO therapy in 2003.



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**“We believe that each child deserves an enriching environment to learn and grow”**

# OBJECTIVES




- To build an EV3 robot that conduct therapeutic intervention for teaching & learning among autistic children
- To develop a teaching and learning module for the robotic interventions
- To evaluate the usability of robot together with the module toward the potential to be a support tool in teaching and learning for autistic children

