

## **SERVE Up Emerging Technology**

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**Date of sharing** : May 6 2023.

**Topic** : Artificial Intelligence Programming (AI). Share with Parent-child pairs at Library@Harbourfront some experiential activities where an AI robot could be programmed to perform simple functions like talking and moving.

**No of volunteers** : 13

**No of Parents/  
children reached** : 20



We volunteered at an event held by IMDA and NLB at Harbourfront public library. A captivating session to introduce AI to both parents and their children. There were thirteen dedicated club members passionate to contribute to the sharing. The topic--- an Exploration of the Ever-Evolving world of AI, was introduced to the audience, aimed to expose them to emerging technology concepts like artificial intelligence or robotics. As the presentation slides seamlessly transitioned, it was as if a symphony of knowledge was engaging with the parents, some of whom were taking their tentative steps into

the world of AI. The exchange of ideas was not limited to the theoretical realm alone. We even had a chance to see the robot doing stunning moves like “kung fu”. The enthusiasm of the old, juvenile and the youth, blessed seamlessly with the unique experience that the audience were given. Together, they were architects of possibility, architects of the future. Amidst the sea of accomplishments, one realisation stood resolute – that this endeavour was not merely about AI, but also about building bridges. It was about bridging cutting-edge technology from those less acquainted.

### **Learning Outcomes for the Public**

- Understand the fundamentals of AI including its limitations and misconceptions surrounding it.
- Learn how AI impacts daily tasks and how to use the power of AI in robotics.
- Program an Alpha mini robot to detect objects, answer questions and perform.



## How do you feel about this new experience?

**Tristan:** “From this experience, I felt it was a very beneficial experience in my presentation skills and improving my knowledge on AI and robotics. This helps me to connect with my audiences and practise on my speaking skills. Presenting and sharing with my audiences allowed me to improve my communication skills and especially on my first time on this kind of limited experience. I really appreciated this experience and get to see my juniors interacting with the audience for their first time also, benefiting everyone who came for this experience. Although there are quite a few times I could not get the audience’s attention, the organiser for this event helped me and learning from him, I immediately took the chance and learned something new, applying it immediately. Despite some of the audience looking confused, I would sometimes engage them and have them to clarify with me, allowing more confidence in my speaking, thus it was a substantial experience.”



**Hakeem:** “I found the experience of interacting with both parents and children to be incredibly rewarding. Engaging in conversations with them was truly enriching. Delivering the presentation slides felt effortless, drawing from my prior experience addressing large audiences. However, the true highlight was the dynamic exchanges with the attendees.”



“Witnessing the sense of accomplishment when participants successfully overcame challenges, such as programming the robot to perform impressive kung fu moves, was truly heartwarming. Their joy became my own, creating a shared atmosphere of happiness and achievement. It was particularly interesting to engage with parents who might not have been familiar with AI technology. Assisting them in navigating tasks like coding the robot to fulfil their specific desires was a unique opportunity to bridge the gap between technology and less experienced users. All in all, this experience left me with a deep sense of fulfilment and reinforced my passion for both public speaking and facilitating meaningful interactions between individuals and advanced technologies.”

**Jasmine:** “I feel that it is very enriching experience to interact with new people. By getting to know others better to understanding different perspectives to enhance bonding with one another. Through that experience, I manage to be exposed to variety of families. However, it was hard to communicate with the children as they have different comfort levels with new faces and experience.”



**Zhang Na:** “I personally felt that it was a memorable experience. As we



need to present the slides to the audience within 20 minutes of preparation. It was stress but it did not come out too bad. It is my first time to do presentation to children and parents which I felt that I may get easily judged by them. The parents and children were however quite attentive to our presentation.”