

# Intelligent Toys For Physical And Cognitive Assessments

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# **Propositions**

accompanying the dissertation

## **INTELLIGENT TOYS FOR PHYSICAL AND COGNITIVE ASSESSMENTS**

by

**SEETHU MARIYAM CHRISTOPHER**

1. “If it ain’t broke, don’t fix it”, but you can improve it. The first version of a product can be improved. Beta testing is done for valuable feedback from the target audience. Better improvement of the product is the outcome of this deed (Chapter 3).
2. “A watched man never plays”. Video capturing does not capture the real image during assessments. Hence we need to change the assessment mode. Moving assessments to tangible everyday objects by embedding sensors in it can capture the real image (Chapter 5).
3. “A stitch in time saves nine”. Cognitive assessment of children at the right time has life long impact on their overall development (Chapter 7).
4. “All work and no play make Jack a dull boy”. Play is the essence for the emotional, physical, social and psychological development of children. Hence assessment of children during play is highly recommended (Chapter 8).
5. “An ounce of prevention is worth a pound of cure”. We have developed intelligent toys for assessment which gives laughter, joy and happiness at an ounce (Valorization).
6. “Brevity is the soul of wit”, but data extensiveness is the crux of machine learning.
7. “Courage is the measure of a man”, but innovation is the measure of a researcher.
8. “As you sow so shall you reap”. Results of a Deep Learning algorithm depends on the quality of the data provided to the algorithm.
9. “A journey of a thousand miles begins with a single step”. Yet there are miles and miles to go, and numerous hurdles to jump before you get to the finish line, PhD defence. Now, I am one step closer to being able to make things happen, just a little bit.