



Hide and seek Robot, 'Peekabot'.

Peekabot: Robot that Helps Children's Cognitive/Physical Development

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Abstract

With the apartment being a major residence styles, children are not provided with enough opportunities to play. Therefore, chances for learning many things that could be learned through playing these traditional plays are also decreasing. Interactive toy "Peekabot" was invented under this question that how could we re-invent the traditional play full of funny learning experience. Playing hide and seek is good for children. While looking for place to hide, they develop their own spatial-recognition. When finding other hiding children, one can provide physical stimulation to oneself. Also this task encourages children to develop the concept of objective permanence and perspective taking, therefore it improves cognitive development.

Peekabot can blend into circumstances through color recognition and camouflage. Also, Peekabot can play color game with children. Through emotion recognition, Peekabot can mimic children's facial expression and build a strong emotional connection with them.

Author Keywords

hide and seek; interactive toy; robot; cat robot.

ACM Classification Keywords

I.2.9 Artificial Intelligence: Robotics.

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Peekabot Logo