Abstract

Autism refers to a group of brain development disorders, which are characterized by difficulty in communication and repetitive behaviors. Every autistic child is unique and hence each child should be given special care and attention for his or her development. In today’s world it is quite tedious and frustrating for teachers as well as parents to teach autistic children because they have to be taught repeatedly again and again. Due to this many parents actually accept the fact that their child cannot be taught or provided knowledge. Recent development in mobile technologies have provided teachers a better way to teach autistic children through a user friendly GUI and customizable systems deployed on mobile phones. Our proposed system eliminates the repetitive efforts required by teachers and parents by providing a customizable, adaptable and cost efficient system which adapts itself according to the behavior and learning of the child.

References
AAAS publications, Washington, 1990
111-116.
machines on predicting company financial crisis”, International Conference on Business and
using PSO/SVM and GA/SVM Hybrid Algorithms”, Congress on Evolutionary Computation,
2007
7. Smruti Rekha Das, Pradeepa Kumar Panigrahi, Kaberi Das, Debahuti Mishra, “Improving
RBF Kernel Function of Support Vector Machine using Particle Swarm Optimizaton”,
International Journal of Advanced Computer Research ,pp 2777-7970, Volume -2, Number
9. MaryAnn Romski, PhD, CCC-SLP; Rose A. Sevcik, PhD, “Augmentative Communication
And Early Intervention”, Vol. 18, No. 3, pp. 174-185, 2005
of Autistic Children using SVM and Decision Tree”, Vol. 5 (6), 2014, 7288-729
“Increasing Adaptive Behavior Skill Deficits From Childhood to Adolescence in Autism Spectrum
Disorder: Role of Executive Function," Journal of Autism and Developmental Disorders, vol. 45,
no. 6, pp. 1579–1587, 2015.
12) D. A. Gómez-Aguilar, Á. Hernández-García, F. J. García-Peñalvo, and R. Therón,
“Tap into visual analysis of customization of grouping of activities in eLearning," Computers in
in vivo modeling for teaching children with autism,” Journal of Autism and Developmental
15. M. Monibi and G. R. Hayes, “Mocotos: Mobile communications tools for children with
special needs," in Proceedings of the 7th International Conference on Interaction Design and
and activities to enhance the social skills of children with autism spectrum disorders,” Personal
and Ubiquitous
17. H. S. S. Yee, “Mobile technology for children with autism spectrum disorder: Major


Index Terms

Computer Science Algorithms

Keywords
Intelligent tutors, HCI, autism