

Augmented Reality Tracing Application

Tracing app for Kindergarten students

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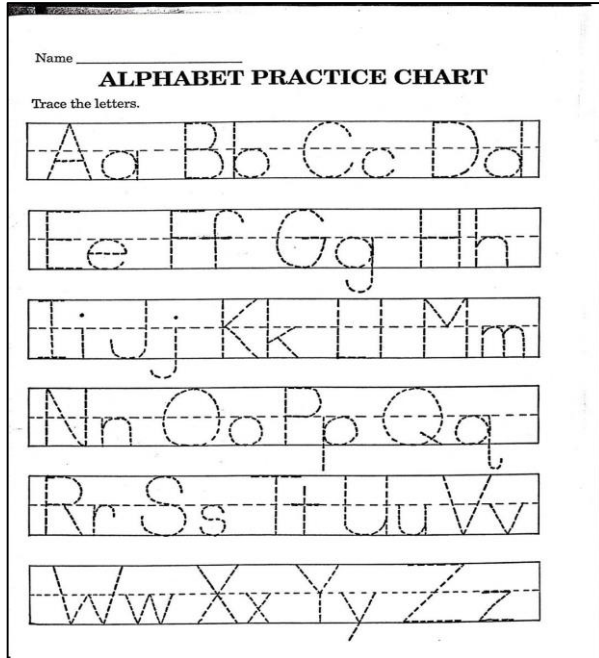
An Initiative by Students of IIT Jabalpur

Evening Classes





The Problem

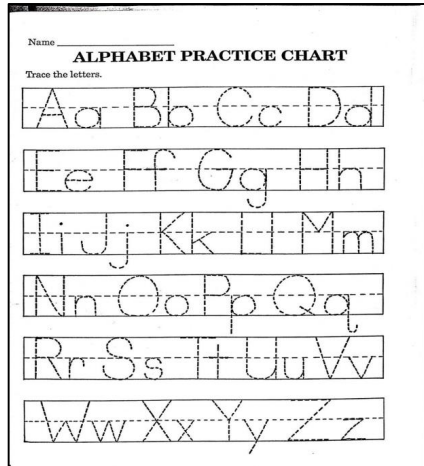


How can we enhance children's language writing experience that can keep their enthusiasm for learning?

Overview

For better learning experience

Conventional Way	Proposed Methodology
Tracing Activity sheet	AR Tracing app as Supplement



Understanding the problem

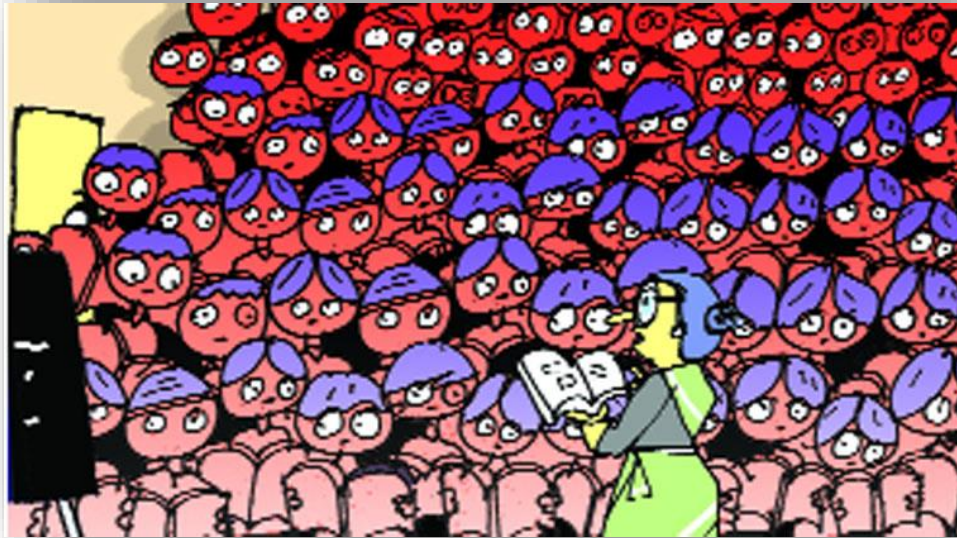
Monotonous and Inefficient exercise

To hold children's attention and motivation for learning.

Therefore, they start to lose their focus and enthusiasm very soon.

Understanding the problem

- ❖ High teacher-pupil ratio.



Why AR Tracing

AR Tracing aids the learning process in terms of confidence, motivation and focus.

It allows children to recognize the mistracing or deviation and encourages them to trace better in the next trial.

Therefore, the application would enhance children's language writing experience and motivate them for self-learning.

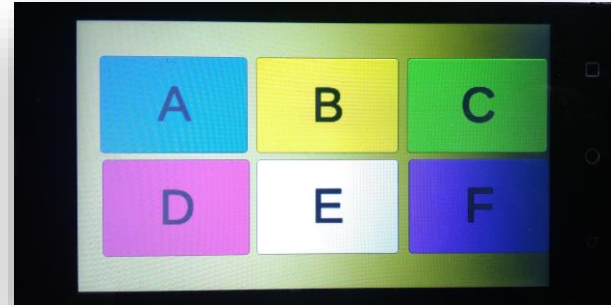


AR Tracing app

- ❖ Currently, this app provides tracing for letter 'A' to 'E'.



Choose any letter.



AR Tracing app



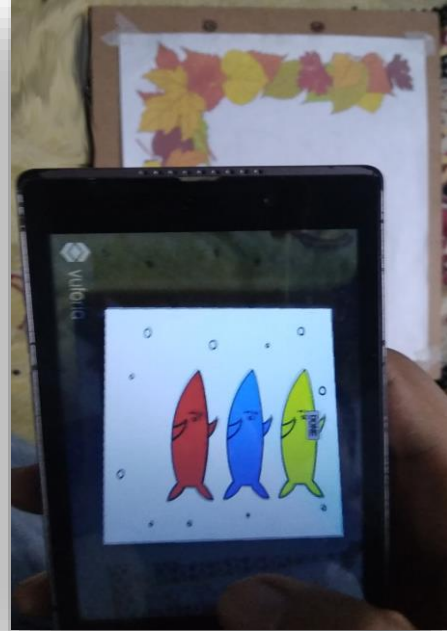
Suppose chosen letter
is 'F'.



AR Tracing app

Some fun

After Successful tracing.



Tools & Technology

- ❖ Augmented Reality
- ❖ Unity
- ❖ Vuforia
- ❖ C# programming

Challenges

- ❖ Full White Paper could not be used for marker based AR.
- ❖ Evaluation of traced letters.



Paper used for tracing

Thank you!

Play
Learn
Grow
