



# **Interactive musical environment for children**

Shruti Agarwal . I.D.C. 2007

## Part 2

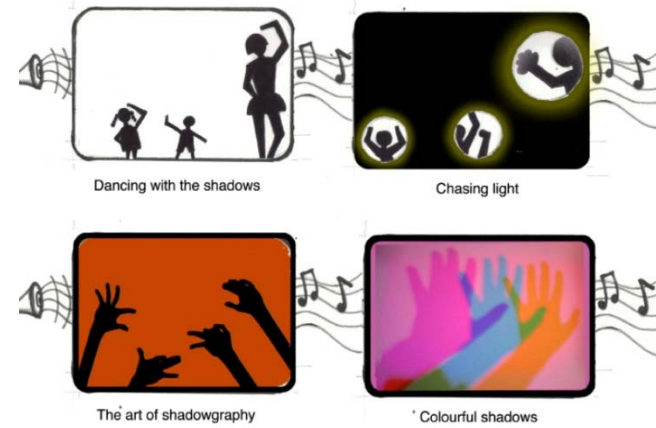


initial **ideations**

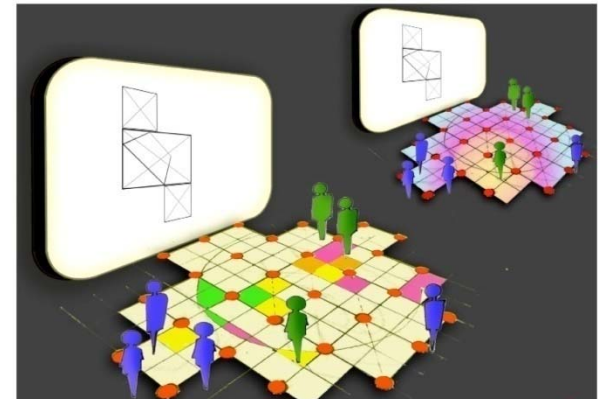


# ideations

## SHADOW MAGIC



## MUSICAL BUTTONS



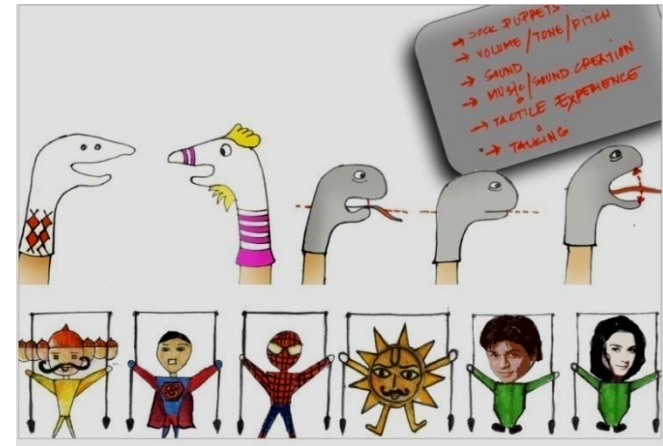
## THE TABLA



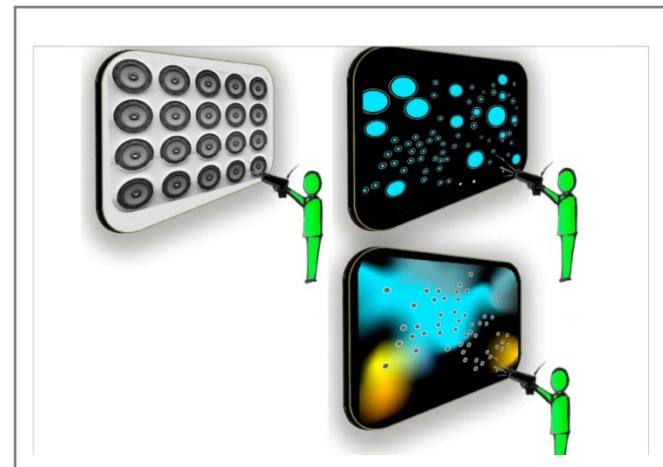


ideations

## MUSICAL PUPPETS



## HIT AND PLAY

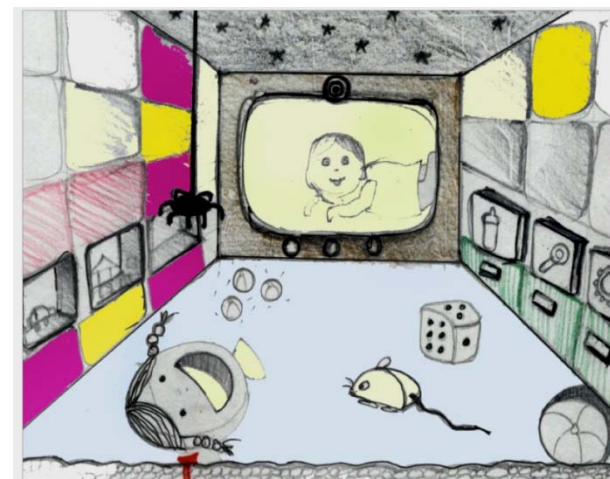
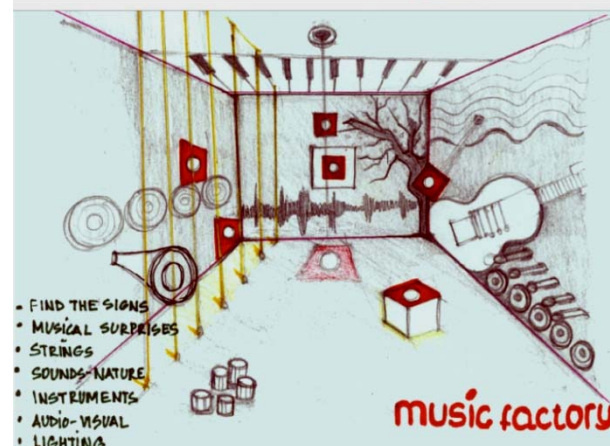
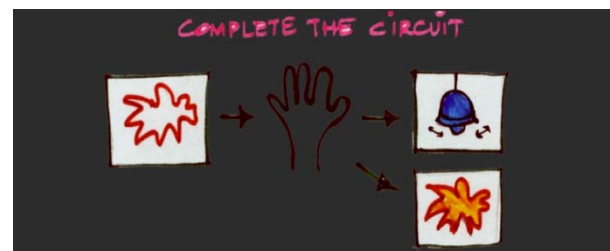




ideations

MUSIC FACTORY

TODDLERS WORLD

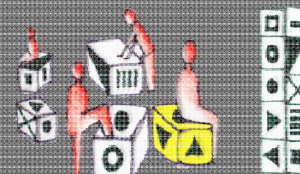
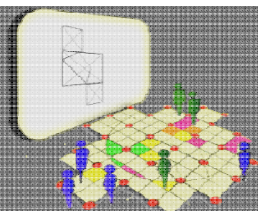




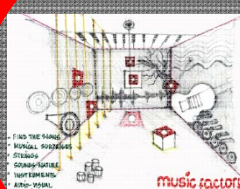
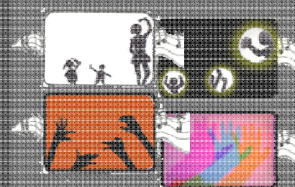


ideations

PUZZLES/ GAMES

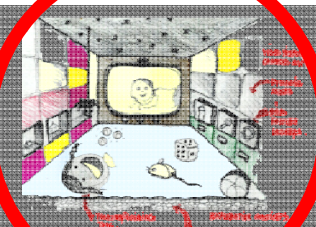
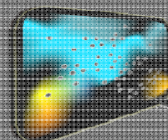
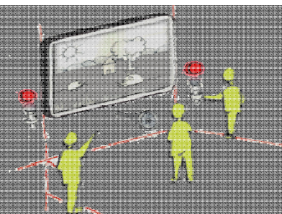


MAGIC/ SURPRISE

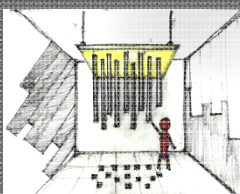
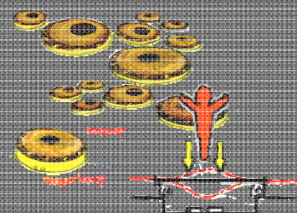


MUSIC FACTORY

MISCHIEF



TACTILE



TODDLERS WORLD





**finally...**







## features

**PHYSICAL FORM OF PLAYSCAPE**

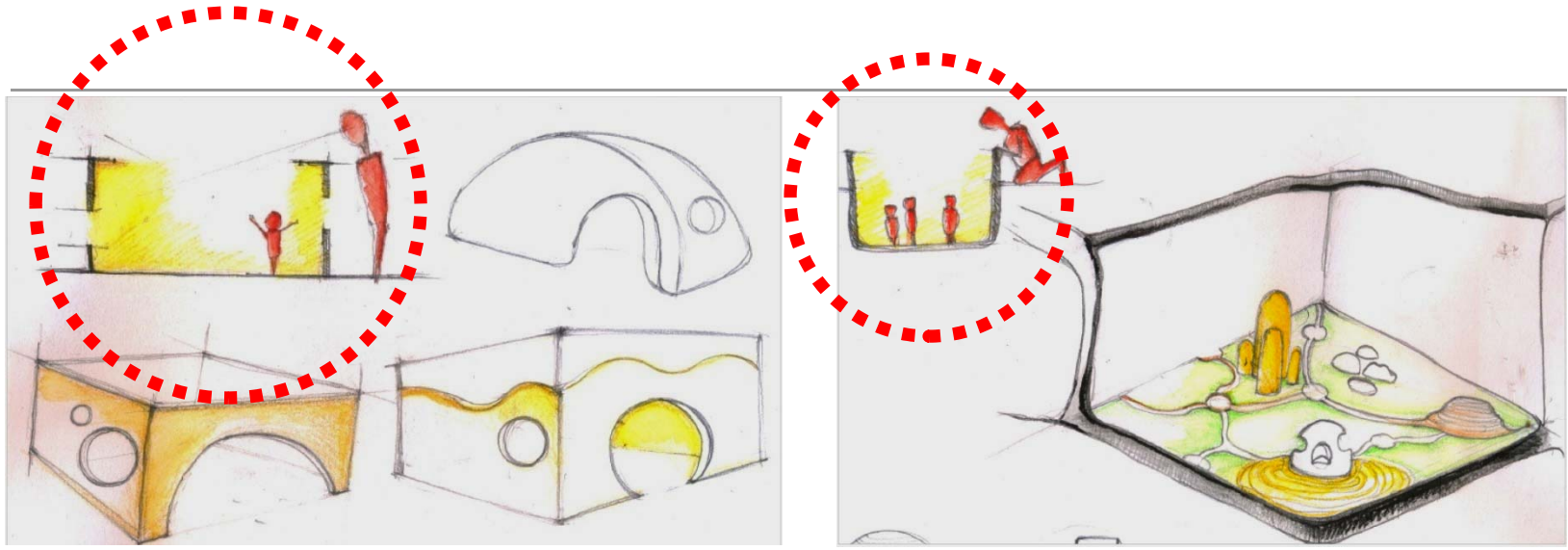
**VISUAL LANGUAGE**

**SUBTLE EMBEDDED INTERACTIONS**

**SOUND AND MUSICAL OUTPUT**



## Physical form of playscape



- **SAFETY** (no sharp edges and corners, no lead content, no small ingestible pieces)
- **OFFER OPPORTUNITIES TO WALK, RUN, CRAWL, CLIMB, HIDE, SIT**
- **WELL LIT**
- **SPACIOUS**



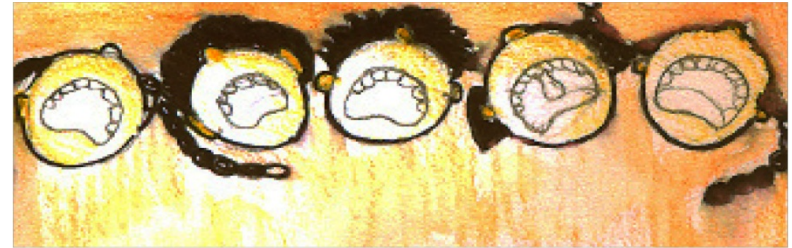
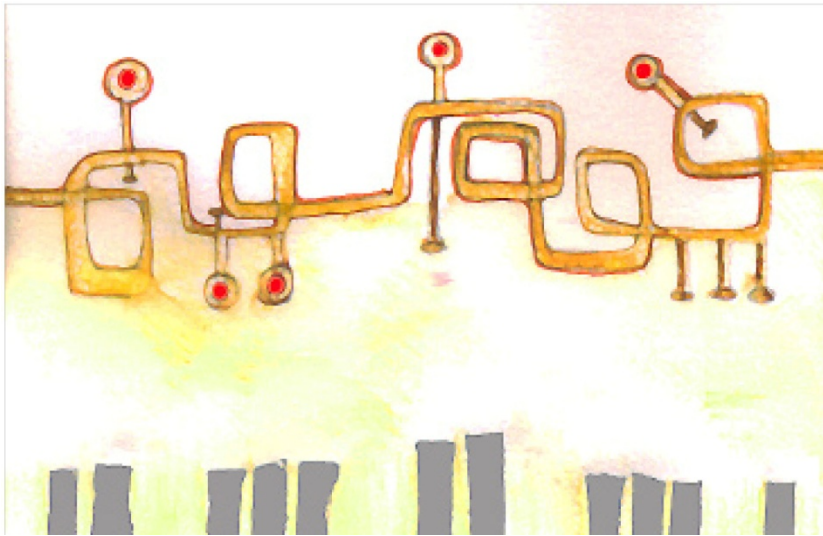
## Visual language



- INTERESTING TO CHILDREN
- VISUAL SEMANTIC
- COLOURFUL
- PLAYFUL
- HUMOUR



## Visual language



- INTERESTING TO CHILDREN
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- COLOURFUL
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# Visual language

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## Inspirations from

- nature
- musical instruments
- toddler (singing, crying, screaming, the sound of their shoes)
- music becoming digital



## Visual language



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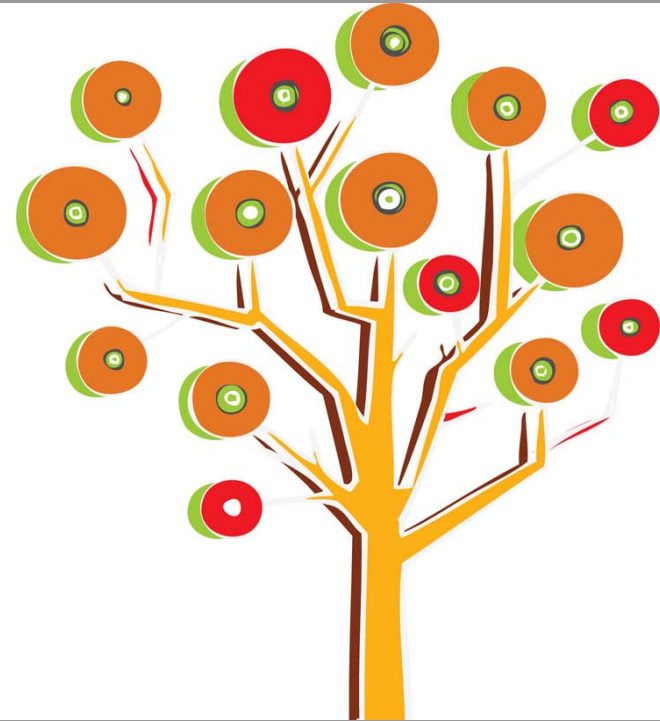
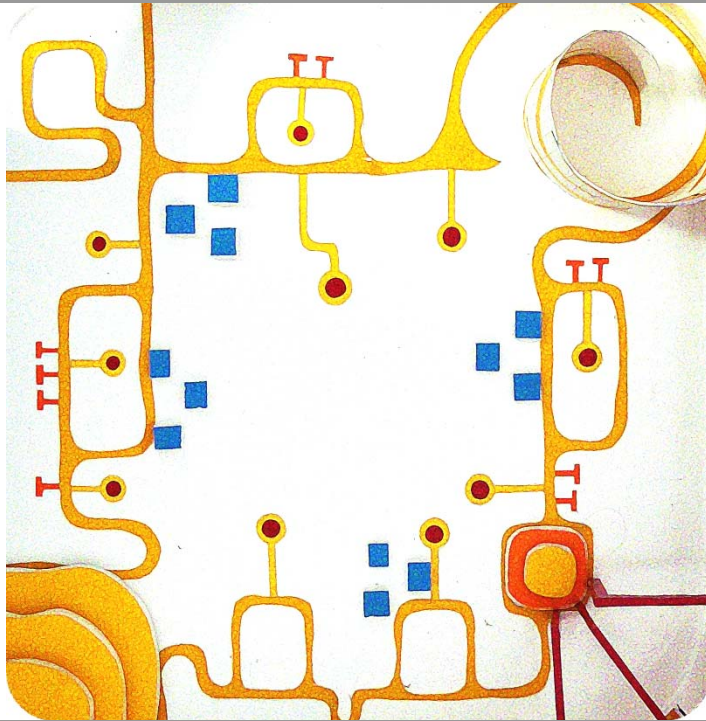
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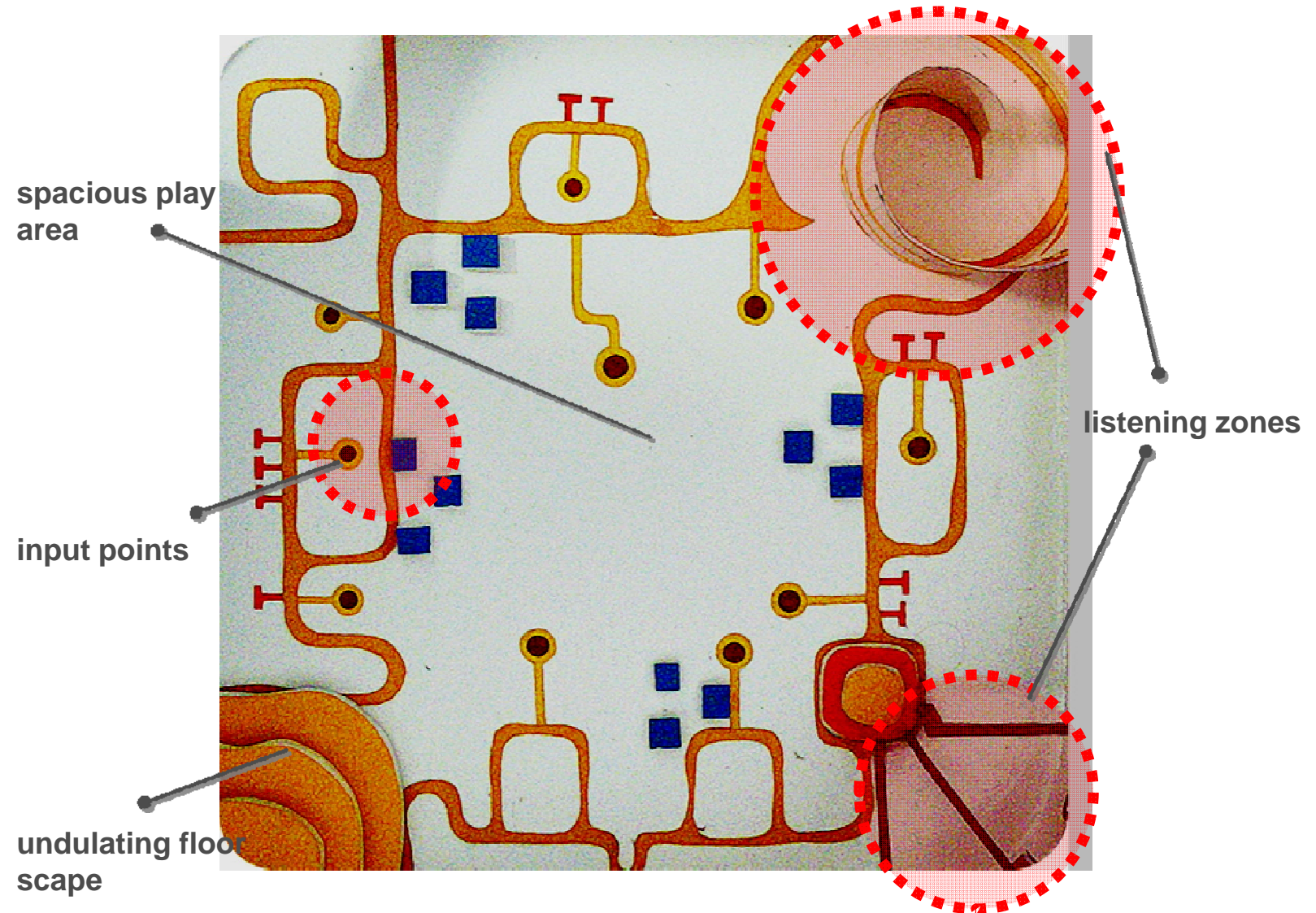


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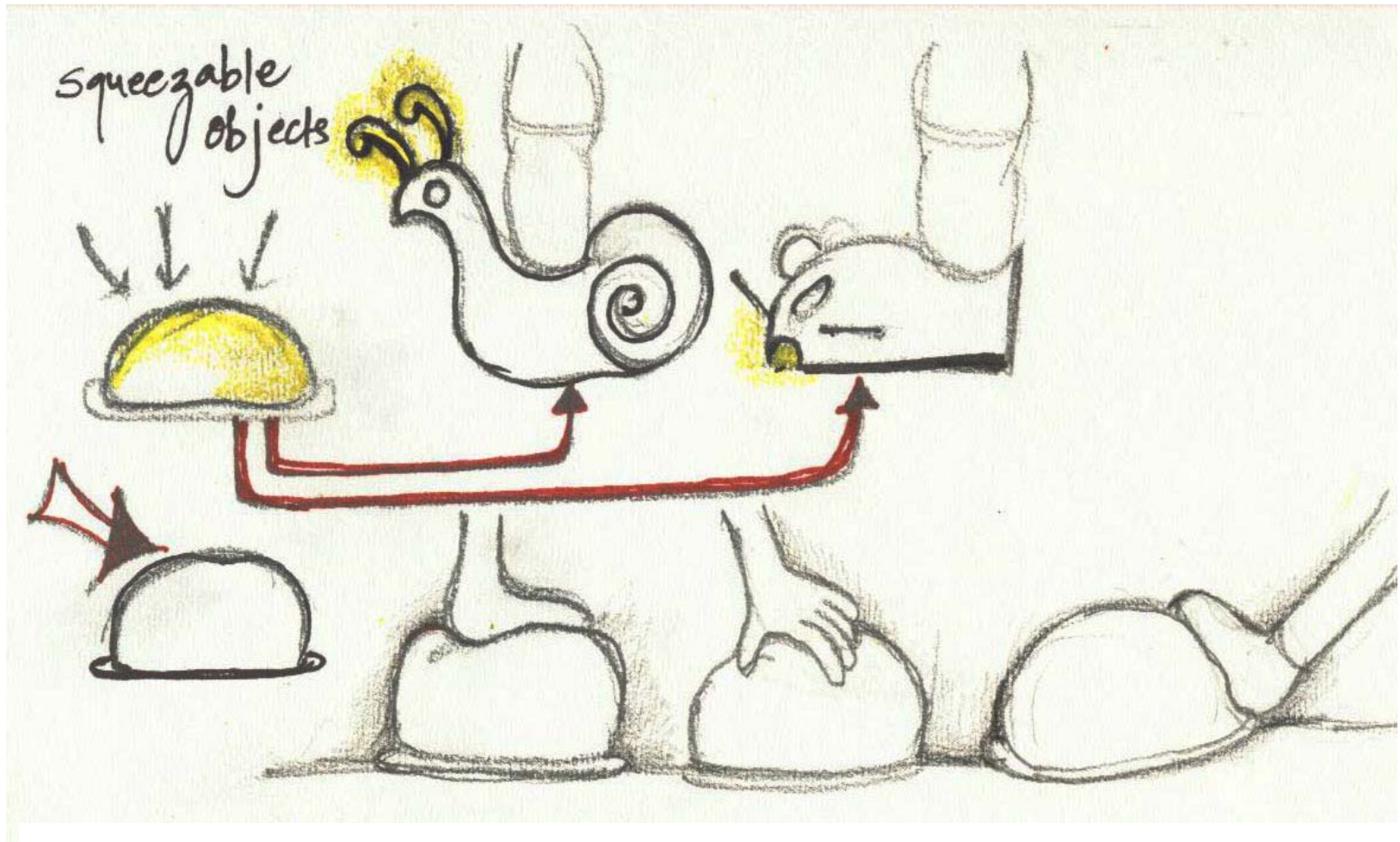
# playscape layout







interactivity





# **Musical interactions**



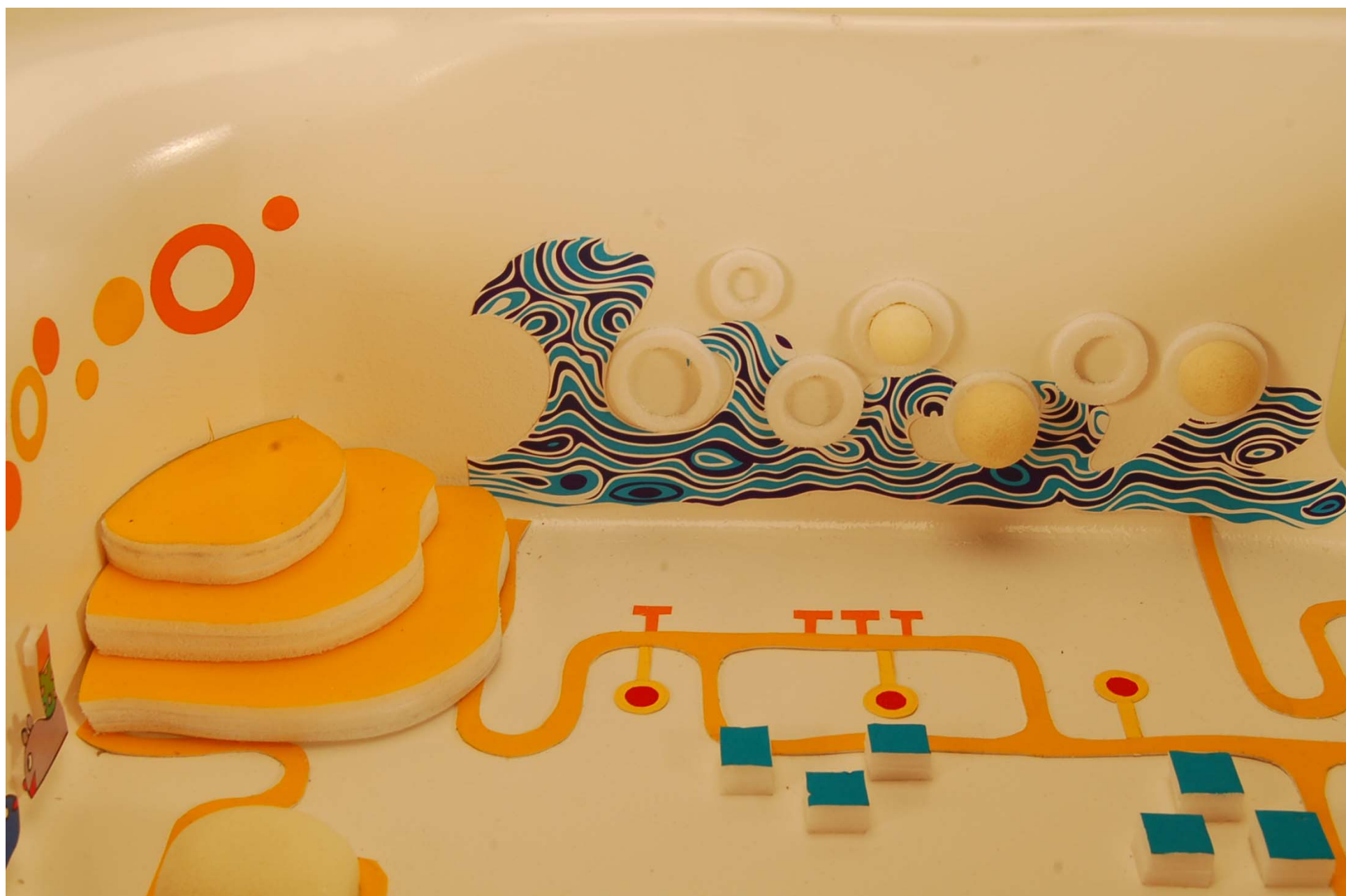




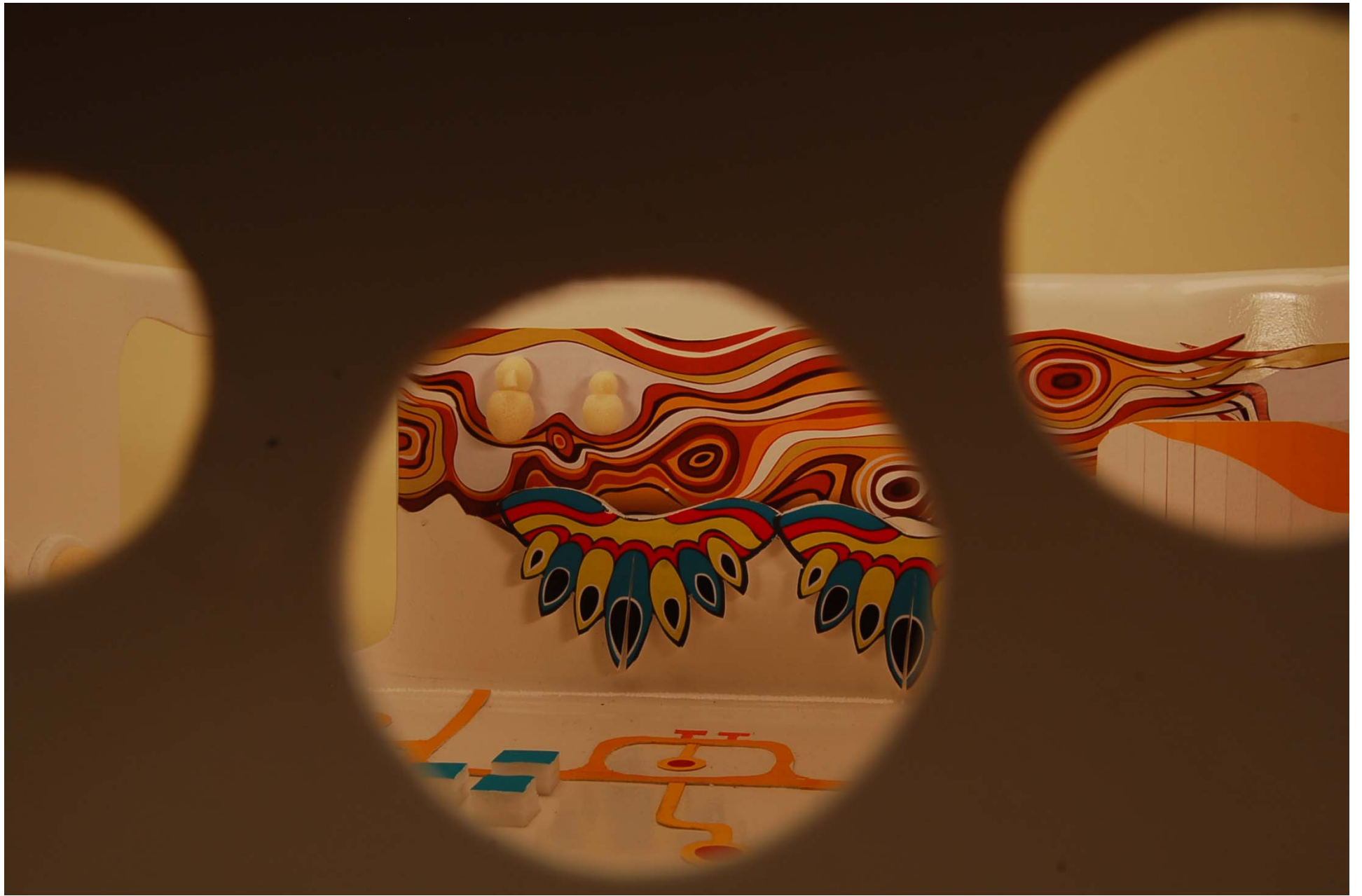
















# context

- Playschools
- Public facilities such as
  - amusement parks
  - malls
  - airport lounges
  - hospitals, pediatric clinics
  - fitness centres
- spastic children fun environments



# **what it can achieve**

potential for a 'positive unique experience that :

- Introduces children to music at an early stage
- gives them a sense of dynamics (loud/ soft sounds, rhythms, beats)
- improves Listening skills
- Multimodal experience
- Enhancing social interaction
- Allow for individual self expression
- Enrich their routines with a different experience

# acknowledgements

I deeply acknowledge

My guide Prof. Ravi Poovaiah.  
Mrs. Aruna Agarwal, Kidzee playschool.  
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All parents and kids for excellent inputs.  
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Staff at IDC workshop and library

My friends

My family

**thank you!**





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