

# CERA

**Wb. WASHROOM**  
WASHROOMS AND BEYOND **DESIGN CHALLENGE**

**ARCHITECTURE & INTERIOR DESIGN STUDENTS - 2018**

SUPPORTED BY



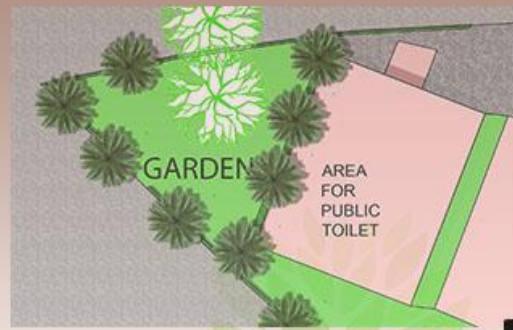
TELEVISION PARTNER



# MEMBER ID - AI010000



# SITE PLAN AND SITE ANALYSIS



site area 1345sqm  
 built up area 161 sqm  
 site address :  
 gole ka mandir  
 gwalior.

- 1- existing trees
- 2- existing police station
- 3- area for toilet



Gwalior is a city in the central Indian state of Madhya Pradesh. It's known for its palaces and temples.

## GWALIOR CLIMATE ANALYSIS



Max. Temperature 50°C  
 Min. Temperature 5°C



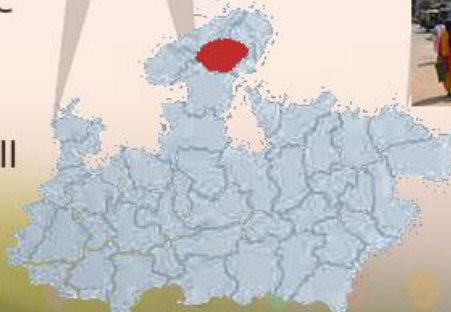
coldest month  
 january



average rainfall  
 900mm



average humidity  
 94%



# WASHROOM DESIGN CHALLENGE



# CONCEPT PLAN AND VIEWS

day light fresh air and green , is all what makes a place lively and healthy the three natural factors that are basic and more prominent for ensuring a healthy environment - are very well incorporated in this design process and are main focus of the structure.

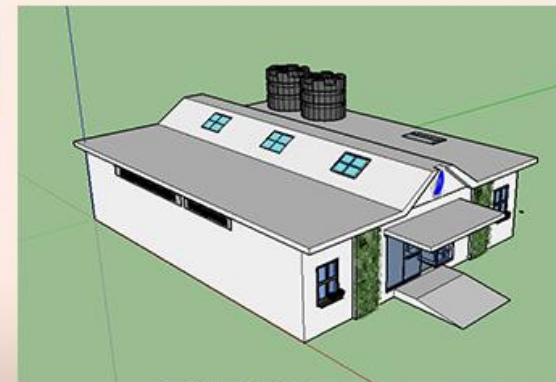
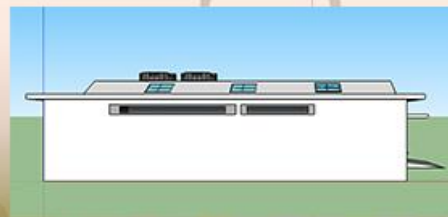
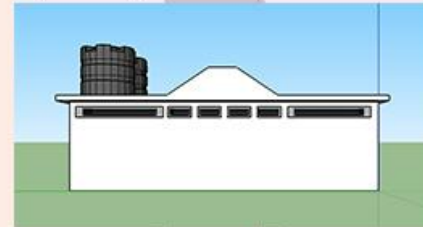
**sunlight** - for sun light there is large opening at the front and skylights at the top of the building.

**fresh air**- for fresh air there if large ventilators and windows.

**greenery**- for greenery there is plantation below the windows and vantilators and at the front facade.

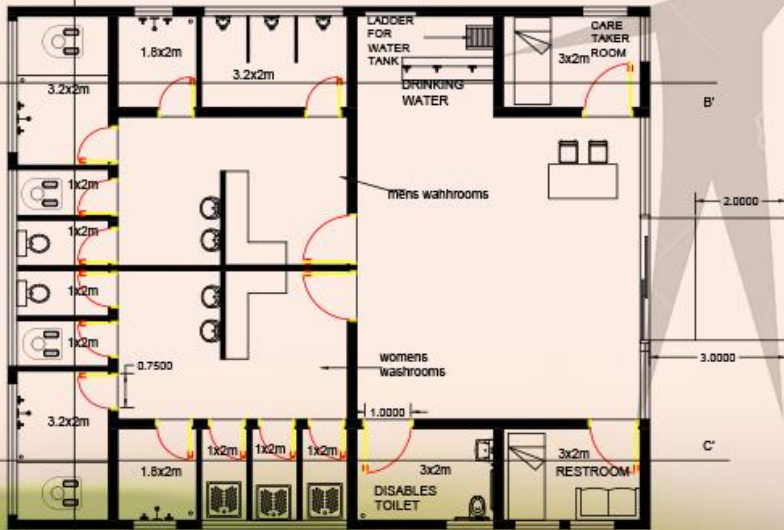


Sulabh International is an India-based social service organization that works to promote human rights, environmental sanitation, non-conventional sources of energy, waste management and social reforms through education. The organization counts 50,000 volunteers. Sulabh International is the largest nonprofit organization in India.



VIEWES

## CONCEPT



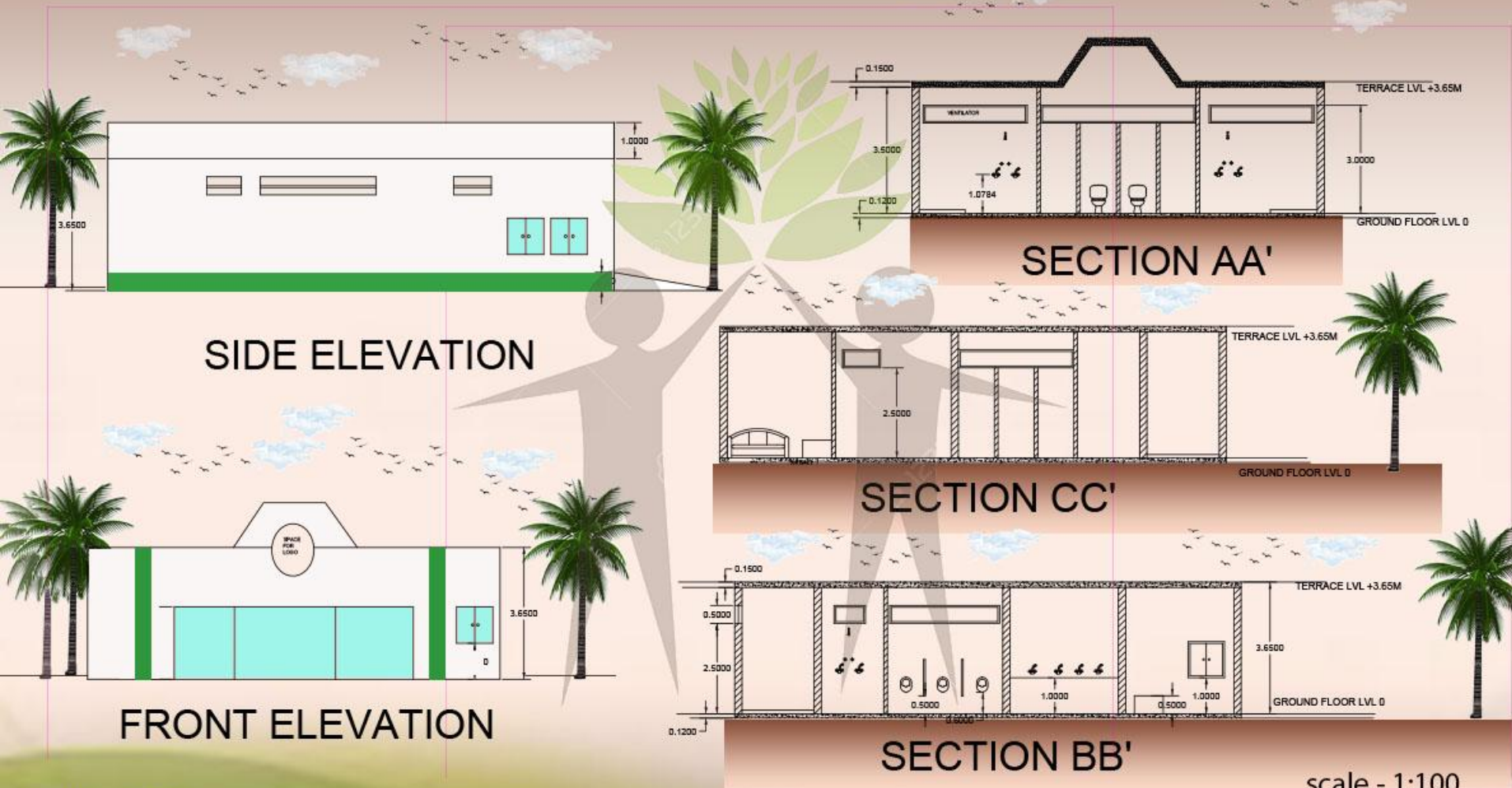
PLAN

SCALE- 1:100

# WASHROOM DESIGN CHALLENGE



# ELEVATIONS AND SECTIONS



SIDE ELEVATION

FRONT ELEVATION

SECTION AA'

SECTION CC'

SECTION BB'

scale - 1:100

scale - 1:100

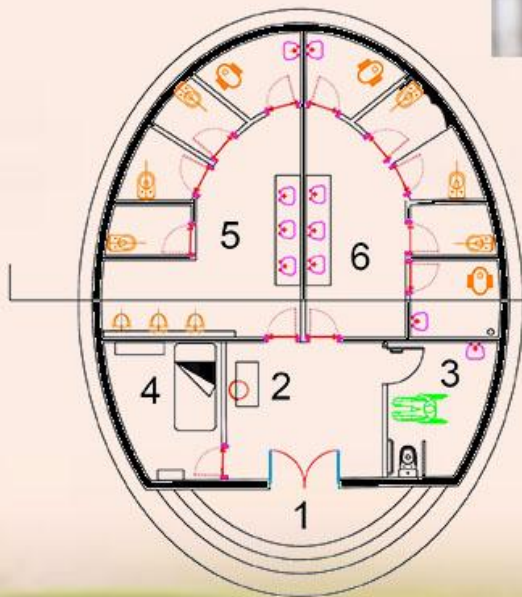
# WASHROOM DESIGN CHALLENGE



# CONCEPT PLAN AND VIEWS

just as free spirited and gentle as a bubble  
toilet is a place where i forget my troubles.....  
clean and fresh is my place says the bubble.

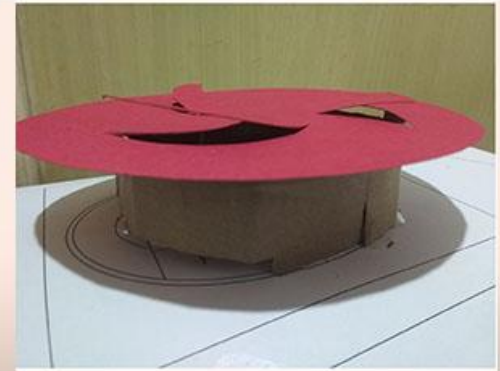
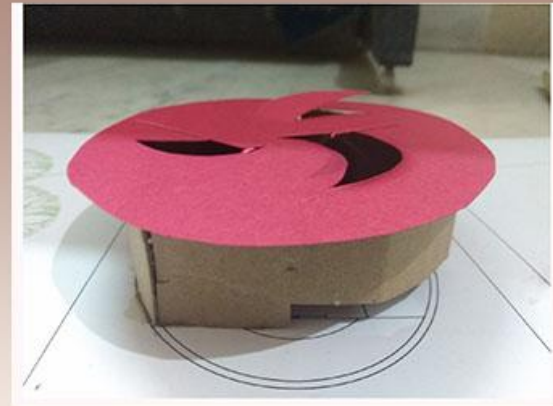
## CONCEPT FORM EVALUATION



1. ENTRY
2. GUARD'S SITTING PLACE
3. TOILET FOR DISABLED
4. GUARD'S ROOM
5. MEN'S TOILET
6. WOMEN'S TOILET



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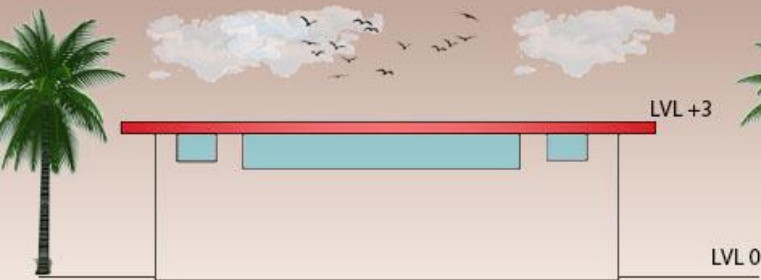
PLAN SCALE- 1:100

VIEWS

# WASHROOM DESIGN CHALLENGE



# ELEVATIONS AND SECTION



SIDE ELEVATION

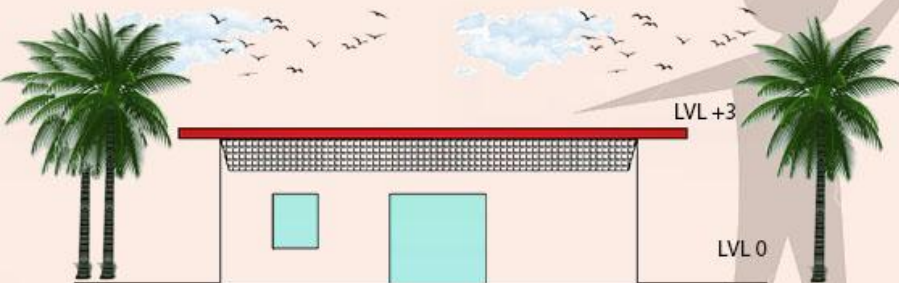


SECTION A-A



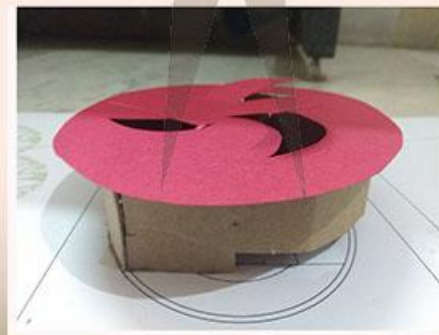
USER-FRIENDLY CULTURE

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FRONT ELEVATION

SCALE 1:100



## DESIGN FEATURES :

**Fan shaped skylight** for better wind flow in the building and for sun light that makes the design hygienic. a hygienic design of a toilet makes the user free from sickness.

SCALE 1:100

**form of the building** oval form of the building also designed according to the wind flow because in case of toilet natural air and natural sun light is must for the clean and healthy atmosphere for users .

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