



TEAM PARIVARTAN

PROJECT REPORT 2018-20

Pillai HOC College of Architecture,
Rasayani



ACKNOWLEDGEMENT

Team Parivartan is a COMMUNITY SERVICE wing of PILLAI HOC COLLEGE OF ARCHITECTURE . The entire mission of Parivartan began with painting the school in Panvel under Swacch Bharat program in Jan 2018. We are thankful to our college to initiate this community service wing that allowed us to explore real time projects in our academic curriculum. Working as a team under Parivartan, we students have developed team building skills, decision making abilities and explored several site challenges in our academic curriculum. The college has always been supportive to us with necessary equipment for the efficient functioning of the team. We thank our college for provision of basic materials, extra time for academic work submissions and proactive faculty inputs whenever necessary. The team has successfully completed a wide variety of projects from community spaces to public murals. We have gained lot of knowledge through working on real time projects with the support of our college.



INTRODUCTION

Team Parivartan is a COMMUNITY SERVICE wing of PILLAI HOC COLLEGE OF ARCHITECTURE. It strives to connect people through design. The team works effortlessly to identify locations that require fruitful design intervention. The team analyses various contexts, then studies the problems and comes up with rational design/architectural solutions which are then implemented on site to solve various issues. Such kind of an effort exposes students to real life situations which they will face when they become architects.

TEAM MEMBERS

Rohan Joshi

Kunal Dalvi

Chirag Patel

Swapnil Bhamre

Tejas Pachpute

Anuroop Babu

Shwetal Gund

Mandar Gawde

Alankar Vichare

Chaitrali Rane

Vinay Katariya

Ayush Soni

Amber Ghosh

Neha Jadhav

Samruddhi Sharma

Mrunal Kurangale

Shivani Pingale

Akhilesh Nambiar

Bhairavi Deshmukh

Purva Patil

Riddhi Naik

Shalin Kapadi

Soham Satam

Khyati Suravkar

Priya Pansare

Mrunmayi Nikam

Mayuri Walunj

Shrisha Gujar

Aarya More

Siddhi Acharya

Ichchha Singham

Prachi D'briito

Sushrut Salunke

Aditya Jadhav

Kunal Morde

Darsheet Vora

Tanika Kerkar

Chanchal Choure

Pratik Dalvi

Saurabh Patil

Shubham Huddar

Akshay Jalvi





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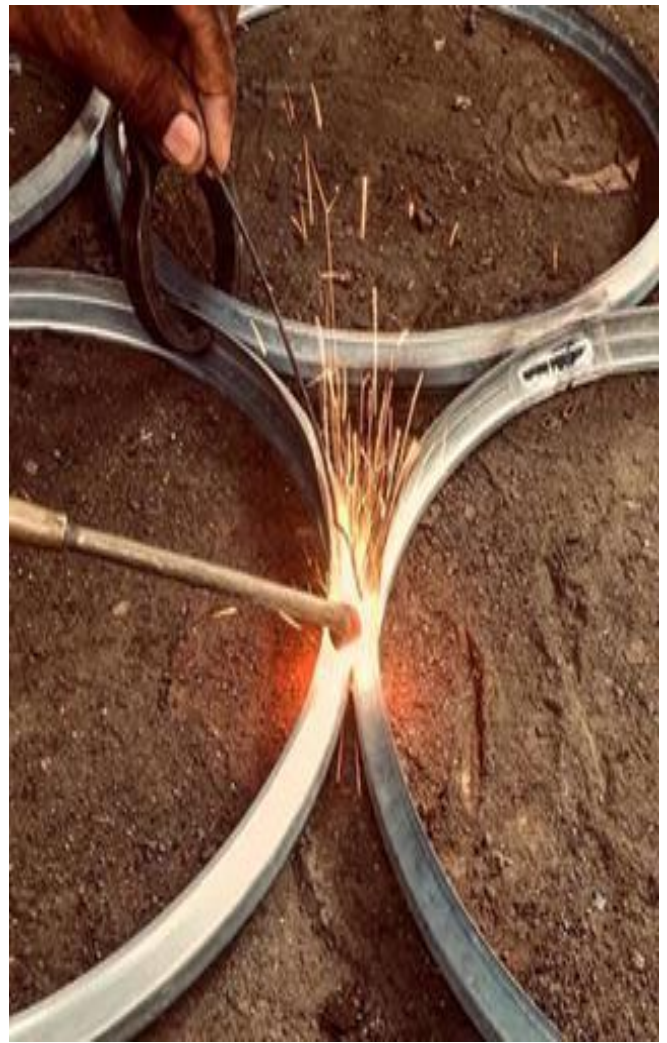


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"Our on site volunteers"



PROJECT 1

Reviving school playground ,
NewPavel (year – 2018)

Team members

5th year-

Rohan Joshi - Swapnil Bhamare - Kunal Dalvi - Shwetali Gund - Chirag Patel - Mandar Gawade - Mrunal Kurungale - Shivani Pingale - Tejas Pachpute - Anuroop Babu - Sagar Jog - Samruddhi Sharma ,Amber Ghosh,Vinay Katariya , Bhairavi Deshmukh, Neha Jadhav , Ankita Deshmukh , Purva Patil

4th year-

Kavya Oswal, Lalit Kadu, Soham Satam , AmeyDeshmukh.

Time span-

1st May 2018 – 18th May 2018 (3weeks) Project

Total cost –

6700 /- (contributed by students)

Aim-

To create space that allows the children to learn , ponder and explore as they step out of the orthodox classrooms . This will help them trigger their mental health as well as physical traits

Objective-

Reviving school playground is collaboration with beraindrop!
“EDUCATION IS BEST GAINED OUTSIDE THE CLASSROOM”.

With this project we strive to improve outdoor contexts of a school supporting beraindrop’s initiative , Enriching their daily experiences with their surrounding environments.



TOTAL BUDGET

<u>QUOTATION - SCHOOL PLAYGROUND REVIVAL</u>		
MATERIALS - FROM MARKET		
<u>MATERIALS</u>	<u>QUANTITY</u>	<u>COSTING</u>
Cement bags	3	750/-
Metal clamps	25	250/-
Pvc pipe 100mm	2	800/-
Pvc pipe 20mm	3	150/-
Pvc elbows 20mm	5	150/-
Wooden crates	3	900/-
Oil paint	5ltr	1200/-
		TOTAL - 4200/-
MATERIALS - FROM SCRAP YARD		
<u>MATERIALS</u>	<u>QUANTITY</u>	<u>COSTING</u>
Tin barrels	10	2500/- appx (*)
Gl pipes	10kg	
Car tyres	7	
Metal scrap	NA	
Exact value cant be determined on the basis of quantity(*)		
GRAND TOTAL - 6700/-		

Before Design intervention



After Design intervention



Designed outdoor furniture and landscape installation for children. The play area is now more user friendly and teachers prefer to engage their students into outdoor activity more than the indoor classrooms.



PROJECT 2

WORKING WITH THE TRIBE

Workshop spaces for a tribal community in Mohpada. (year –2018)

Team Members

5th Year –

Rohan Joshi - Swapnil Bhamare - Kunal Dalvi - Shwetali Gund - Chirag Patel - Mandar Gawade - Mrunal Kurungale - Shivani Pingale - Tejas Pachpute - Anuroop Babu - Sagar Jog - Samruddhi Sharma – Alankar Vichare

4th Year –

Riddhi Naik – Shalin Kapdi – Soham Satam

3rd Year –

Aarya More - Khyati suravkar – Kunal Morde - Saurabh Patil - Subham Huddar - Tanika Kerkar - Sara Farnandis, Mrunmayi Nikam, Priya Pansare

Time span – 16th September 2018 – 24th October 2018 (6 weeks)

Project cost - 9,900/- (contributed by students)

Faculty in charge – Ar. Cynthia Alex, Ar. Kamlesh Gade, Ar. Pulkit Gupta



Academic Report 2018-20

Aim-

To design a play area/interactive space for a tribal community in Mohpada, Rasayani.

Objective-

1. To observe and analyze the current scenario of children of the tribal community in Mohpada. And conclude on designing an inference.
2. To design and create a play area/interactive space for the children, which reflects the observations from our inference.

Project brief-

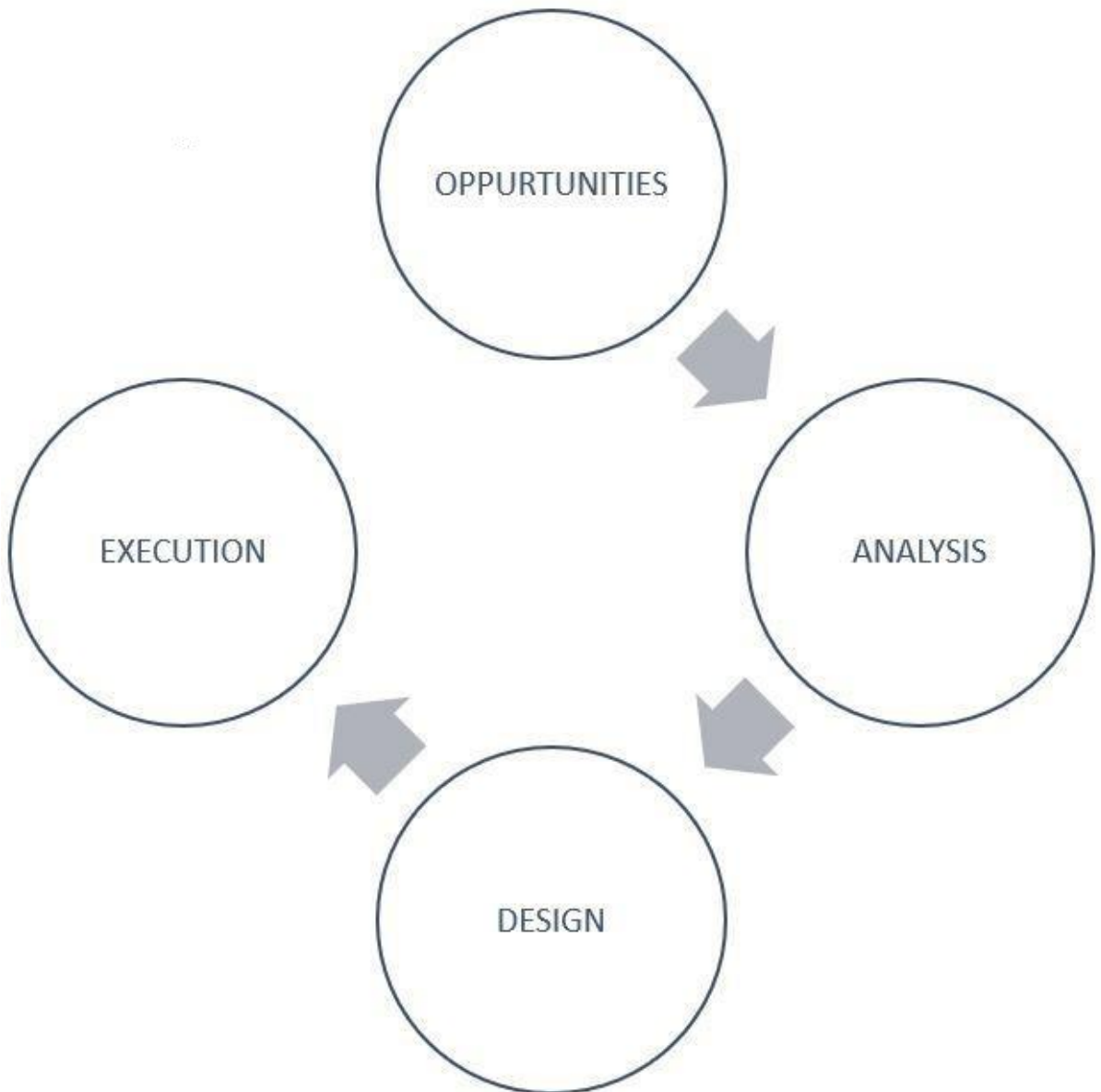
1:1 scale project – “WORKING WITH THE TRIBE”, this project looks to solve major problems of the tribal community in Mohpada. Providing them with washing areas, gathering space / workshop spaces and play area for children. The intervention will help the community to get an exposure to the outside world and will also act as a catalyst in their growth.



Design Process

The team realizes that every project needs a proper and reliable process which have to be followed diligently. We rely on the process of finding opportunities for us to intervene, analysing the strengths and weaknesses, and acting towards it through thoughtful and responsible design.

We as students have realized that our actions will now have a direct impact and consequence. Therefore, it becomes our responsibility to live up to the expectations that we set for ourselves and strive to give our best.





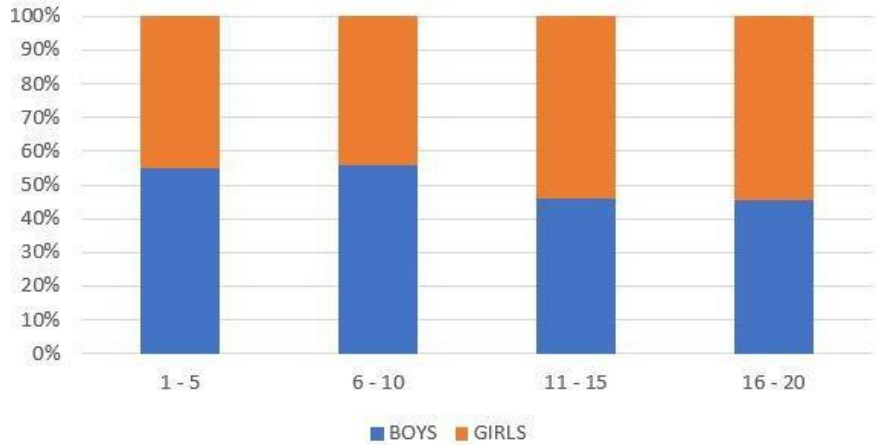
SITE ANALYSIS

The site is located in the interior of the Mohapada village approx. 200 m from the main road. The community uses kaccha road to reach the homes. All the housing are linearly planned along the road. The houses are made up of brick walls and mangalore tiled roofs.

We present the documentation and analysis of the tribal community, which the students have collected during the exercise. A detailed site survey had been carried out during the documentation along the street to find different strengths and weaknesses to work on.

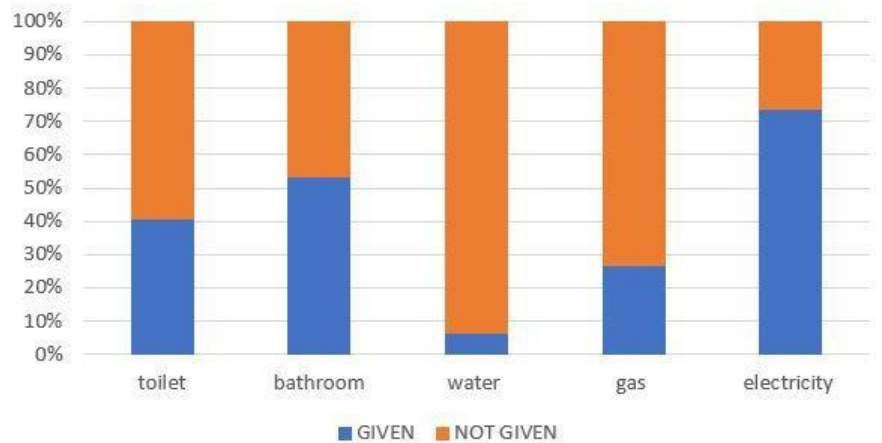
“Demographic data obtained through survey of the area to understand the critical issues of the community”

AGE CATEGORY SEX RATIO

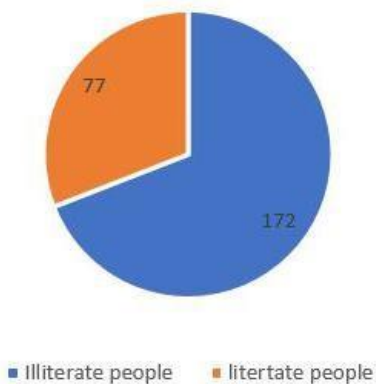


“This helps in deriving the design brief which addresses the analyzed problems”

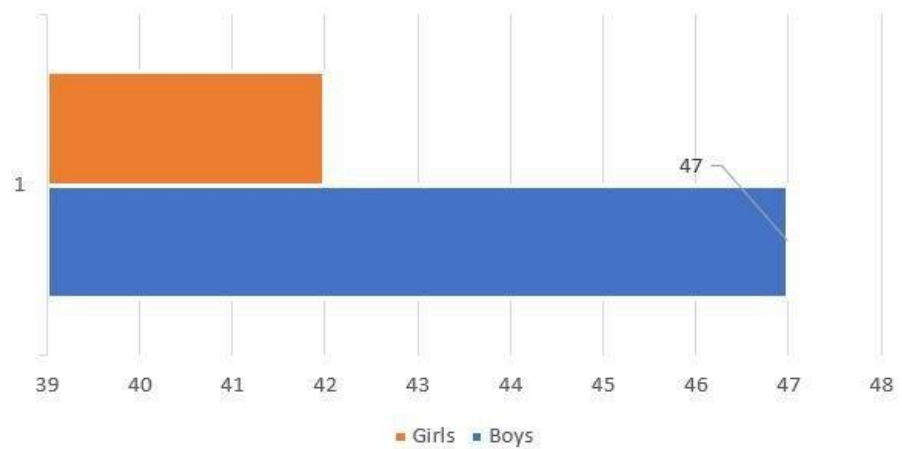
AMENITIES



Literacy rate - 44.5%



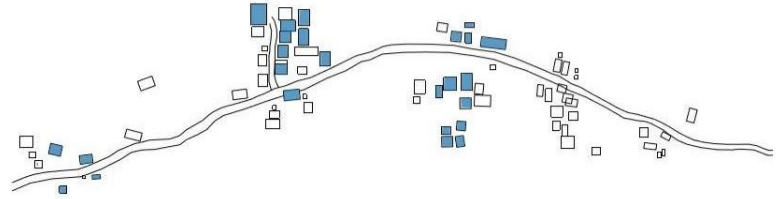
Total children-87



“Formulation of design brief”

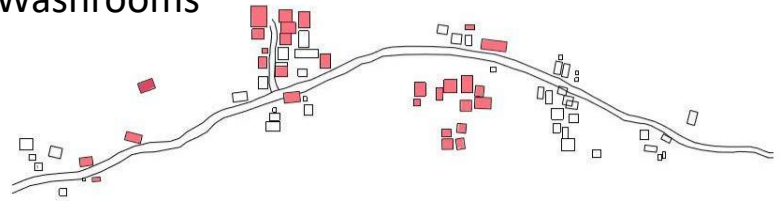
“identification of various physical entities to determine the location of the site. This helps the team to strategically choose a location for the site which can efficiently respond to its surrounding context”

Gathering areas

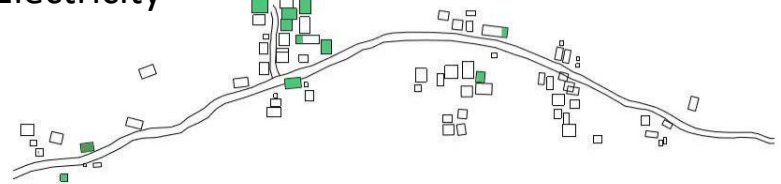


Workshop spaces

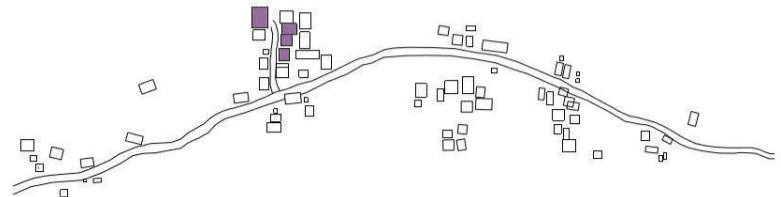
Washrooms



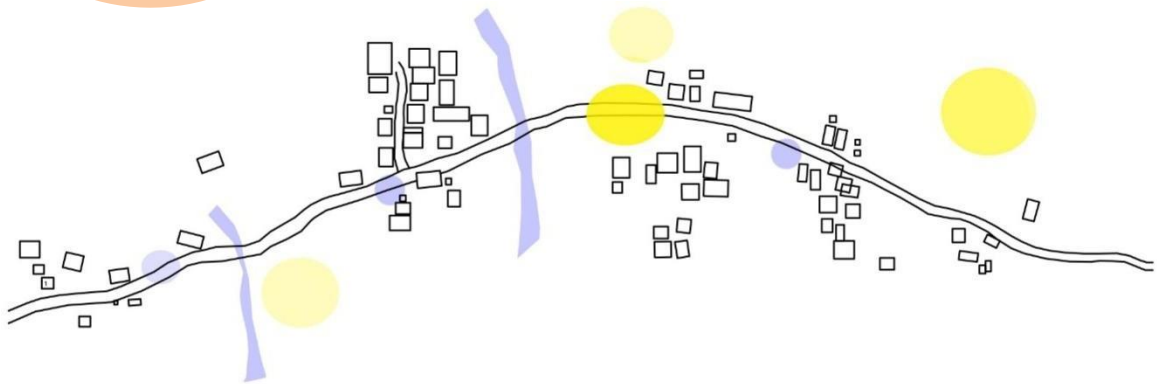
Electricity



Gas



Water supply



Identification of play areas and design site

- WASHING AREA
- PLAY AREA, GATHERING SPACE

ON-SITE CONSTRUCTION



Final design outcome



MATERIAL COSTING BREAKDOWN

MATERIALS	COST
Bricks +Aggregate	6000
Standard Cementbags	2240
Bamboo	1800
Sutti/Rope	250
Hammer (per day)	100
Bamboo cutting machine	1160
HOC Instruments transport	1500
Other transport	500
GRAND TOTAL	13,550/-

PROJECT SUMMARY

Through this exercise the students get an opportunity to learn and interact with the tribal community.

Students can learn their traditional techniques and have a hands-on experience while working with the materials.

This project also ensures that the students deal with real life contexts and come up with optimum solutions for the same.



PROJECT 3

REVIVING THE HISTORY

Public mural painting project in CBD Belapur. (year- 2019)

Team

5th Year –

Rohan Joshi - Swapnil Bhamare - Kunal Dalvi - Shwetal Gund - Chirag Patel - Mandar Gawade - Mrunal Kurungale - Shivani Pingale - Tejas Pachpute - Anuroop Babu - Sagar Jog - Samruddhi Sharma.

3rd Year –

Aarya More – Siddhi Acharya , Kunal Morde , Pratik Dalvi , Ichchha Singham, Mrunmayi Nikam , Prachi D’briito , Aditya Jadhav , Sushrut Salunke,

4th Year –

Riddhi Naik - Shalin Kapdi

Time span – 1st January 2019 to 24th February 2019

Project cost - 9,900/- (contributed by students)

FACULTY INCHARGE- Kedar Shinde

AIM

To revive the history of artist village designed by Charles Correa in CBD Belapur through public murals.

OBJECTIVE

1. To observe and analyse the current scenario of Artist village and compare it with the past, study the differences between the two and ultimately give a tribute to Charles Correa with means of a public mural.
2. To make people aware about the history of artist village and its importance in terms of architecture.

PROJECT BRIEF

The project deals with public murals, where we try to revive the history of artist village in cbd belapur through our murals. Artist village was designed by famous charles correa in 1983. through this project we tried to bring back the time it was first build .

We chose to portray Artist Village's axonometric view in order to remember the early settlements and give a tribute to Charles Correa.



PROCESS

We needed to understand the fundamentals of mural design to make one. Team Parivartan did case studies on different types of murals, and identified the ones which suited our cause the most.

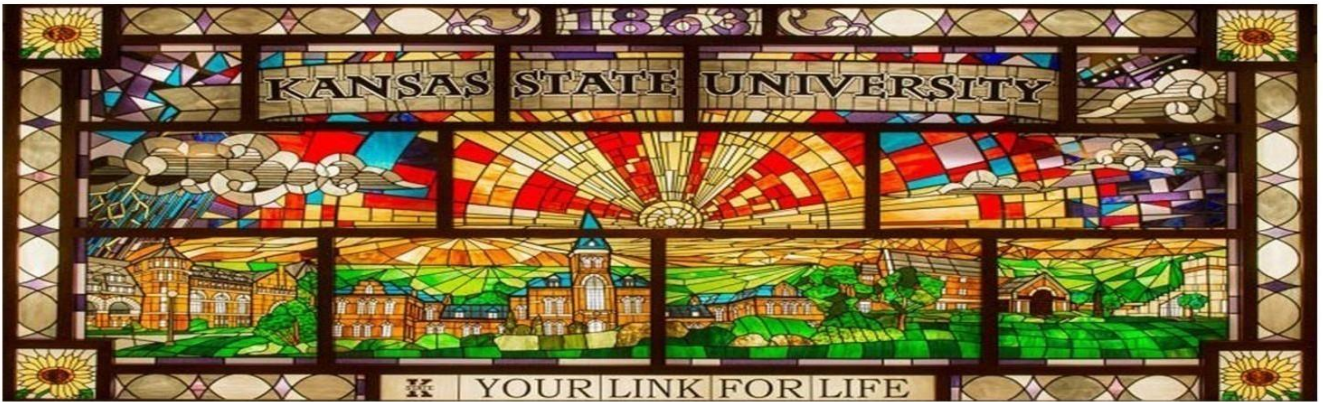
The design was constituted after a lot of trial and error, the team made a computerised model of the earlier Artist village, similar to how Charles Correa had planned. This model was then picturized in order to align it along the complete length of the bridge so that it becomes a mural.



TYPES OF MURALS STUDIED



TEXTURE MURAL



STAINED GLASS MURAL



PAINTING MURAL



CERAMIC MURAL

PAINTING PROCESS



SCRUBBING



SCRUBBING



PUTTY



PRIMER



SKETCHING



BACKGROUND



COLOURING



DETAILING



FINISHING

FINAL DESIGN OUTPUT



“REVIVING THE HISTORY”

MATERIAL COSTING BREAKDOWN

MATERIALS	COST
2-wall putty 5kg	600
12 patra	150
8 wire brush	200
4 kuta brush	160
2-primer 4ltr	3000
4 brush	440
4 roller	300
20kg white cement	600
2 centering rope	100
2 primer 4ltr	1200
4 wall putty 5kg	700
4 wall putty 5kg	700
sand paper 10	50
abro tape	30
a1 print	400
GRAND TOTAL	8630



PROJECT SUMMARY

Through this project there is an evident resurgence of the history which artist village holds, it speaks of the great architect Charles Correa who pioneered it and put in front of the current residents the importance of these historic settlements.



PROJECT 4

THE LOCAL SCHOOL

Renovation at a local municipal school in Rasayani. (year- 2019)

Team

5th Year –

Rohan Joshi - Swapnil Bhamare - Kunal Dalvi - Shwetal Gund - Chirag Patel - Mandar Gawade - Mrunal Kurungale - Shivani Pingale - Tejas Pachpute - Anuroop Babu - Sagar Jog - Samruddhi Sharma.- Purva Patil , Neha Jadhav

3rd Year –

Khyati suravkar – Kunal Mordre – Aditya Jadhav – Sushrut Salunke – Prachi D’britto – Mrunmayi Nikam – Ichchha Singham- Siddhi Acharya – Aarya More

Time span – 20th June 2019 – 11th July 2019

Project cost – 7570 /- (contributed by students)

FACULTY INCHARGE – Ar. Poonam Giri



AIM

To renovate local schools in Rasayani, through wall art.

OBJECTIVE

To reach out to local municipal schools and revive the classrooms through informative wall painting, thereby indirectly influencing the tribal children and helping them gain better learning environments.

Through this project we aim to reach out to the local schools in rural area and helped the school grow with interactive playgrounds.

PROJECT BRIEF

The school painting project differs from a public mural project, we had to be aware about the user group in order to come with a rational design, that caters to the school going students and provides them with better learning environments.

MATERIAL COST BREAKDOWN

MATERIALS		COST
sand paper	50	
patra	30	
wire brush	50	
white cement	40	
band aid	10	
	180	180
patra big	15	
patra	35	
	50	50
sand paper	150	150
6-7-19		
primer	500	
white cement	30	
	530	530
10-7-19		
primer (2)	1000	1000
geru	20	20
2-8-19		
stainer	310	
container	150	
	460	460
stainer	180	180
GRAND TOTAL		2750

PROCESS

The painting process remains similar to that of the bridge painting.



FINAL OUTPUT



PROJECT 5

CIDCO SARAS MART

Design for a woman empowerment fair at Kharghar.
(year 2019)

Team Members

3rd Year –

Khyati suravkar – Kunal Mordre – Aarya More- Prachi D’britto – Siddhi Acharya – Shrisha Gujar – Shushrut Salunke – Mayuri Walunj – Pratik Dalvi – Nitesh Chaudhari – Snehal Kolekar – Pragati Sanake – Akash Shinde – Chanchal Choure – Tejas Nimje – Piyush Patel – Nishant Sutkar – Shubham Desai.

Time span – 24th November 2019 – 25th December 2019

Project cost – Rs. 20000 /- (funded by CIDCO)

FACULTY INCHARGE – Ar. Sukesha Ghosh , Ar.Poorva Risbud



AIM

To create an exhibition cum sale platform to support rural livelihoods.

OBJECTIVE

The team focused on developing a market place for “MAHALAXMI SARAS MART”, an exhibition and display platform to support rural livelihoods, and handmade products made by rural women of Maharashtra .

“MAHALAXMI SARAS MART” is exhibition area that works under the Maharashtra state’s rural livelihood mission (RURAL DEVELOPMENT DEPARTMENT, GOVERNMENT OF MAHARASHTRA) .

Team Parivartan’s contribution to the mart, by designing seating spaces, art installations and enhancing the character of the space through traditional murals.



MATERIAL COST BREAKDOWN

ELEMENT	MATERIAL	NO.	COST
SEATINGS	1) NYLON ROPES - 100 M	100 METERS	2000
	2) CAR TYRES	30	1500 - 1700
	3) NUT AND BOLTS	200	1600
	4) PAINTS AND PRIMER	4 LITERS	2200 - 2500
DUSTBINS	1) GLUE GUN	2	800
	2) GLUE STICKS	80 PCS (1 PACKET)	500 - 600
	3) TRANSPARENT PLASTIC BOTTLES		
	4) GI WIRES	30 METERS	1500 - 1700
	5) IRON RODS AND WELDING		2500 - 2800
			TOTAL COST FOR DUSTBINS : 5300 – 5600
WALL / COLUMNS	1) JUTE ROPES	500 - 600 METERS	500 - 700
	2) PLY WOOD		6500 - 7500
	3) FAIRY LIGHTS	10 METERS (SMALLEST SIZE)	RS 200 - 250
	4) JUTE SACKS	AS PER REQUIRED	
	5) PAINTS	5 LITERS	5500 - 6500
			TOTAL COST FOR WALL / COLUMNS : 9750 - 15000
LANTERNS	1) ZERO BULBS	50	1000
	2) JUTE ROPES		
	3) GLUE	3 LITERS	2200
			TOTAL COST FOR LANTERNS : 2000 - 3200
			GRAND TOTAL : 27500
			(* THE ESTIMATED AMOUNT MAY VARY.)
GRAND TOTAL			27500

PROCESS

The team inspected and documented the existing mart, which was more or less a dead space. Hence the main idea was to bring out the essence of women empowerment and create an inviting and expressive space that can attract footfall. The students decided to focus on smaller elements of surprise that would sprawl throughout the space. These elements were –

1. Tyre Seatings.
2. Warli wall art
3. Installations showing women empowerment.



WALL PAINTING PROCESS

“Applying ‘Geru’ a traditional warli base paint, on the wall so as to form the base colour while drawing a Warli painting”



“Drawing on the base ‘Geru’ color with white paint the traditional designs of warli, which showcase the strength of unity and togetherness, this empowers the women to stand together in strength.”

WALL PAINTING PROCESS

“Finalizing the design by adding some authentic strokes present in warli painting”



“the final output”





“This installation acts as a photobooth, the idea was to create a homely feeling for users coming in, hence became necessary to narrate the story of those women who migrate from village to the city in search of a good income. The above installation pays a tribute to them and their stories.”