

# SYNOPSIS

FOR DESIGN THESIS

(For Partial Completion of B. Arch. 10th Semester)

## PROPOSAL

Topic: **CENTER FOR COMMUNITY  
DEVELOPMENT**

Submitted by:

Name of the Student: **ASHISH KUMAR VERMA**

Enrollment No: **1150101021**

Session : (2019-2020)

**THESIS GUIDE:-**

**Ar. K,K. DIXIT**



**INSTITUTE OF ARCHITECTURE**

**BABU BANARASI DAS UNIVERSITY, LUCKNOW**  
**REMARKS**  
**BY THE THESIS COMMITTEE BABU BANARASI DAS**  
**UNIVERSITY, LUCKNOW**

## CERTIFICATE OF THESIS SUBMISSION FOR EVALUATION

1. Name: .....
2. Roll No: .....
3. Thesis title: .....  
.....
4. Degree for which the thesis is submitted: .....
5. Faculty of the university to which the thesis is submitted:  
.....
6. Thesis Preparation Guide was referred to for preparing the thesis. YES ☐ NO ☐
7. Specifications regarding thesis format have been closely. YES ☐ NO ☐
8. The contents of the thesis have organized based on the guidelines. YES ☐ NO ☐
9. The thesis has been prepared without resorting to plagiarism. YES ☐ NO ☐
10. All sources used have been cited appropriately. YES ☐ NO ☐
11. The thesis has been submitted elsewhere for a degree. YES ☐ NO ☐
12. Submitted 3 spiral bound copies plus one CD. YES ☐ NO ☐

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Here by recommend that the thesis, entitled "CENTER FOR COMMUNITY DEVELOPMENT , NEW DELHI", prepared by ASHISH VERMA, roll no. 1150101021,

Under by supervision, is the Bonafide work of the student and can be accepted as a partial fulfillment for the award of bachelor's degree in (Ar) school of architecture BBDU, Lucknow.

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Recommendation:

Accepted

Not accepted

.....  
Examiner 1

.....  
Examiner 2

## **ACKNOWLEDGEMENT**

The demands that I express my gratitude to those who have been a part of my stay in **B.B.D.U.**, It's been great, all these years, but life moves on.... And so do us.....

I express my deepest gratitude to my thesis guide **Ar. K.K Dixit** for his passionate guidance, discussions, suggestion and continuous support through my B. Arch thesis.

Express my gratitude to DEAN, **AR. MOHIT AGARWAL**, and Department of architecture, B.B.D.U., Lucknow, for being there to listen to and solve our problems.

I am grateful to our thesis coordinator **Ar. SHAILESH YADAV & Ar. URVASHI TIWARI** , for providing their useful comments at the various stage submissions.

“Thank you” was not the exact phrase on my mind when I wrote this, It was something each deeper, but I am unable to find word for it.

**All teachers**, your support, encouragement and guidance have given us the strength to mark on this rigorous journey.

Could also like to express my gratitude to various persons without whose help, this thesis would not have been possible. All the experiences that I shall relate in the drawing pages would not have been possible without them.

**Parents:-** saying thanks is nothing, just accept this as a tribute to what you have inspired in me.

**Friend:-** Aishwarya, vineet, sonakshi, vishal, utsav, saumya Through words hardly express the true emotions, still I would like to thank all my near and ones who helped and guided me.

**ASHISH VERMA**

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## **INTRODUCTION**

THE CENTER FOR COMMUNITY DEVELOPMENT IN MADANPUR KHADAR JJ RESETTLEMENT COLONY AIMS TO ASSUME THE ROLE OF A SOCIAL AGENCY BY MEANS OF AN ARCHITECTURAL INTERVENTION. IT AIMS TO BRING ABOUT SOCIAL CHANGE IN THE COMMUNITY. THE PROJECT SCOPE AND PROFILE WAS DEVELOPED AFTER RESEARCHING THE PROBLEMS FACED BY THE COMMUNITY.

## **HISTORY AND BACKGROUND**

SINCE THE 1960S, RESIDENTS OF DELHI JHUGGI-JHOPDI CLUSTERS ( SLUM) HAVE EXPERIENCED AT LEAST THREE WAVES OF EVICTION. THESE EVICTIONS WERE CARRIED OUT UNDER THE AEGIS OF THE SLUM CLEARANCE ACT 1956, DECLARING THE AREAS/BUILDING/PROPERTIES UNFIT FOR RESIDENTIAL PURPOSES. DURING THE FIRST WAVE OF RESETTLEMENT IN THE 1960s, 18 COLONIES WERE ESTABLISHED. IN THE 1970s, EMERGENCY WAS THE SECOND WAVE OF RESETTLEMENT PRODUCING ANOTHER 26 SUCH COLONIES. THE MOST RECENT WAVE OF RESETTLEMENT WAS THE RESULT OF EVICTION TO MAKE WAY FOR INFRASTRUCTURE FOR THE 2010 COMMONWEALTH GAMES. DURING THIS PERIOD JJC RESIDENTS WERE RELOCATED TO 1 SITE MOSTLY NORTHWEST AND WEST DELHI.

## **AIMS AND OBJECTIVES**

- CREATE ENVIRONMENT
- COMMUNITY ENGAGEMENT.
- CREATE SPACE.
  
- MAKE THE ENVIRONMENT TO MAKE FAMILIAR.
- CREATE THE ENVIRONMENT THAT SUITED TO THEIR NEEDS.
- CREATE THE ENVIRONMENT THAT SUITED TO THEIR NEEDS.

- STRIKE A BALANCE BETWEEN THE ASPIRATION OF THE COMMUNITY.

### **AREAS OF CONCERN**

- SITE SURROUNDING.
- SPACE STUDY.
- CONNECTIVITY.
- PARKING SPACE. LOCATION OF THE PROJECT.
- CONSTRUCTION STYLE.
- APPROACH.

### **SCOPE:-**

THE CENTER FOR COMMUNITY DEVELOPMENT IN MADANPUR KHADAR JJ RESETTELMENT COLONY AIMS TO ASSUME THE ROLE OF A SOCIAL AGENCY BY MEANS OF AN ARCHITECTURAL INTERVENTION. IT AIMS TO BRING ABOUT SOCIAL CHANGE IN THE COMMUNITY. THE PROJECT SCOPE AND PROFILE WAS DEVELOPED AFTER RESEARCHING THE PROBLEMS FACED BY THE COMMUNITY.

## **REQUIREMENTS OF THE PROJECT**



### **OBJECTIVE:**

ITS AIMS TO BRING ABOUT SOCIAL CHANGE IN THE COMMUNITY. THE PROJECT SCOPE AND PROFILE WAS DEVELOPED AFTER RESEARCHING THE PROBLEMS FACED BY THE COMMUNITY.

### **SITE ANALYSIS**

IN RECENT DECADES, INCREASING URBANIZATION HAS RESULTED IN THE ACCELERATED GROWTH OF SLUM IN INDIA. WHERE THE SLUM POPULATION HAS BALLOONED TO OVER TWO POINT FIVE MILLION, THE GOVERNMENT CONTINUES TO UNDERTAKE A PROCESS OF RESETTLING SLUM DWELLERS TO COLONIES ON THE OUTSKIRTS OF THE CITY. MADANPUR KHADAR JJ1 COLONY IS HOMES TO 15000 FAMILIES RELOCATED FROM SLUM AROUND SOUTH DELHI( NEHRU PLACE, RAJ



NAGAR, EAST OF KAILASH,. ALAKNANDA, HANUMAN CAMP, VP SIGH COLONY) IN YEAR 2000, IN PREPARATION OF COMMONWEALTH GAMES IN 2010. ITS NEAR THE DELHI- UTTAR PRADESH BORDER. THE COMMUNITY RESIDENTS LARGELY WORK AS CLEANERS, SWEEPES, OFFICE HELPER AND LABOURERS. AS A CONSEQUENCE OF DISPLACEMENT, MANY OF THEM LOST THEIR JOBS RESULTING IN LIVELIHOOD OPTIONS BECOMING A GREAT CHALLENGE. THE COMMUNITY STILL FACES CHALLENGES IN ACCESSING CIVIC AMENITIES SUCH AS CLEAN WATER, SANITATION, GARBAGE DISPOSAL AND ADEQUATE STREET LIGHTING. TRANSPORTATION IS A KEY CONCERN AS THERE ARE NO GOVERNMENT BUS SERVICES. WOMAN AND GIRLS COMPLAIN OF HARASSMENT IN PRIVATE BUSES. LARGE NUMBER OF WOMAN WORK AS DOMESTIC WORKER AND IN OTHER INFORMAL WORK. MAN ARE ENGAGED IN DIVERSE INFORMAL SECTORS.

**LOCATION:-**

THE SITE CONNECTED TO THE MAIN ROAD VIA SARITA VIHAR-MADANPUR KHADAR ROAD. NEW DELHI.

**SITE DIMENSION:-**

The site is irregular in shape with longest dimension facing the road.

**Total Area:-**7 acres

**BYE LAWS:**

F.A.R:-1.5

Ground

Coverage:-30

Build –up area:-19000 m<sup>2</sup>

Parking:-1.33 ECS.

**ACCESS TO SITE:-**

## Site Precinct

Primary Roads ———  
Secondary Roads ———  
Metro Track - - - - -

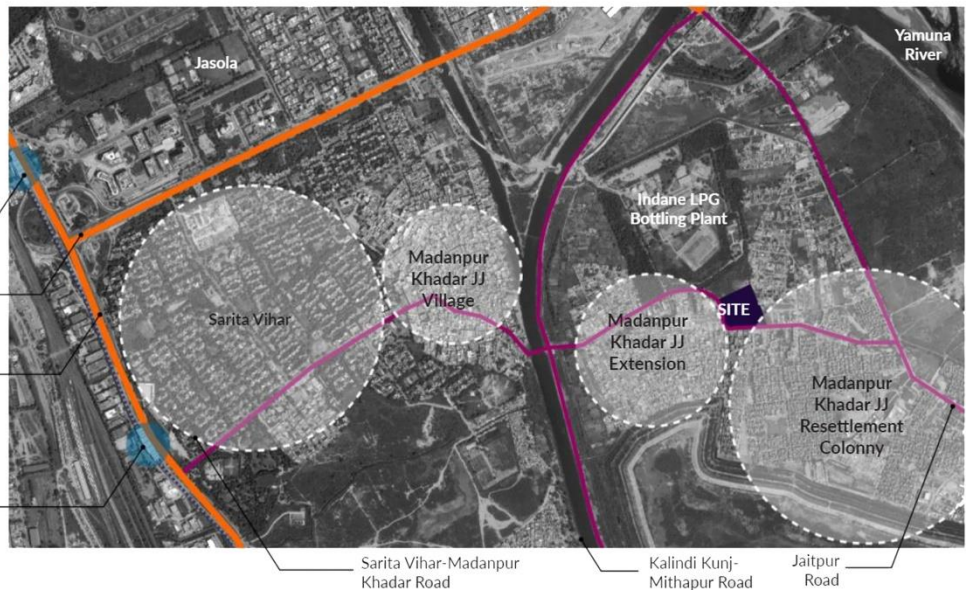
Metro Station ●

Neighbourhoods  
Jasola-Apollo  
Metro Station

G.D. Birla Marg

NH-2 / Mathura  
Road

Sarita Vihar  
Metro Station



## CONNECTIVITY-

THE SITE IS CONNECTED TO THE MAIN CITY ROADS VIA THE SARITA VIHAR-MADANPUR KHADAR ROAD.



THE NEAREST METRO STATION IS KALINDI KUNJ.



SHARED AUTOS RUN BETWEEN THE SETTLEMENT AND KALINDI KUNJ METRO STATION.

ES  
CIAL



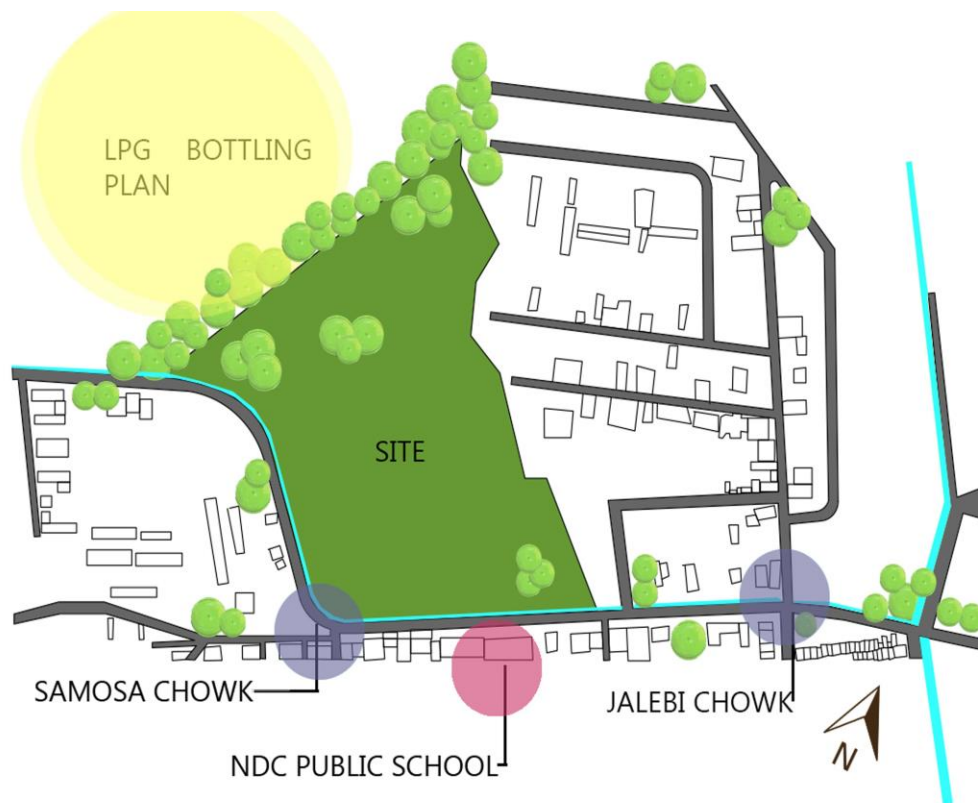
SHARED E-RICKSHAWS ARE THE MOST PREFERRED MODE OF TRANSPORT PREFERRED FOR THEIR VALUE FOR MONEY.



ONLY TWO BUSES RUN THE 404 ND THE 465 WHICH HAVE LOW FREQUENCY.



RICKSHAWS ARE ONE OF THE MAIN MODES OF TRANSPORT, WHICH CAN BE SHARED AS WELL.



JALEBI CHOWK



NCD PUBLIC SCHOOL



SITE ENTRY GATE



SITE



MARKET



SAMOSIA CHOWK



PUBLIC TOILET



POLYCLINIC

## SITE SURROUNDING

## SWOT ANALYSIS

### SWOT ANALYSIS

#### STRENGTHS

UPLIFTMENT OF SOCIALLY  
NEGLECTED PEOPLE.

PROVIDING ECONOMIC  
AND EDUCATIONAL AP-  
PORTUNITIES.

#### OPPORTUNITIES

UPLIFTMENT WOMAN BY  
SKILL DEVELOPMENT.

BETTERMENT OF NEXT  
GENERATION BY PROVID-  
ING EDUCATION.

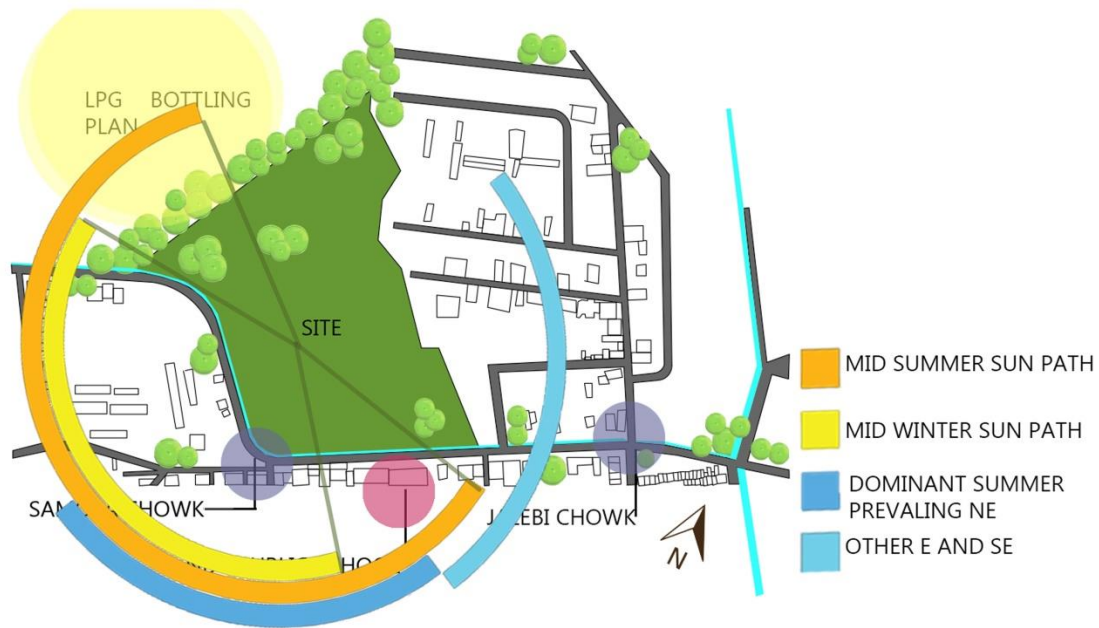
#### WEAKNESS

ITS TOUGH TO EXECUTE  
SUCH ROJECT AS THEY ARE  
FRAUGHT WITH ISSUES OF  
GETTING THE CONSENT OF  
70% OF THE SLUM DEWEL-  
LERS.

#### THREATS

FACE OPPOSITION FROM  
POLITICAL INTREST AS  
WELL AS VOLUNTARY AR-  
GANIZATIONS.

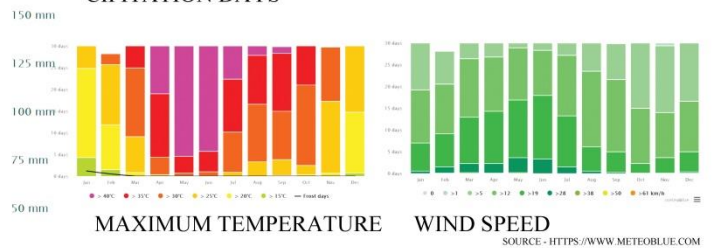
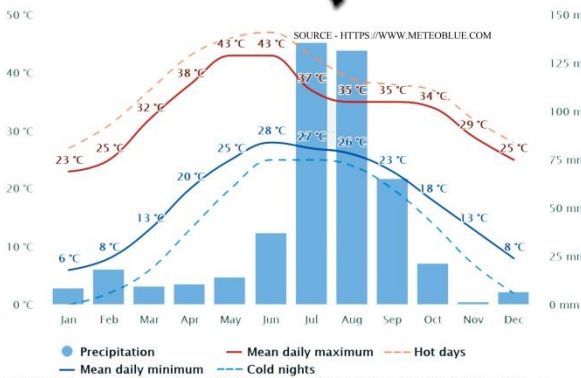
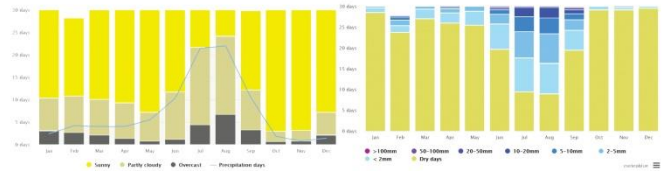




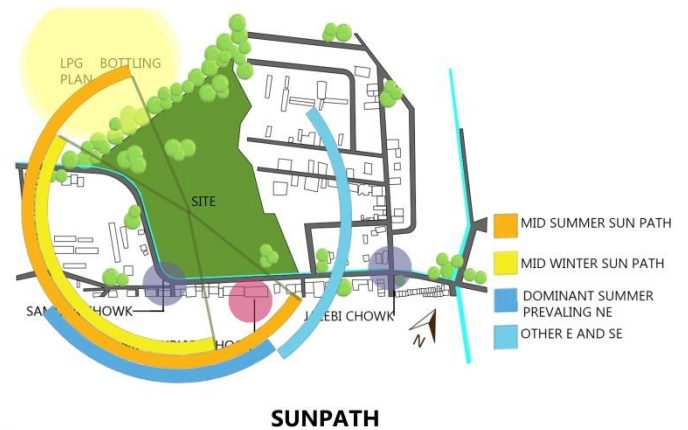
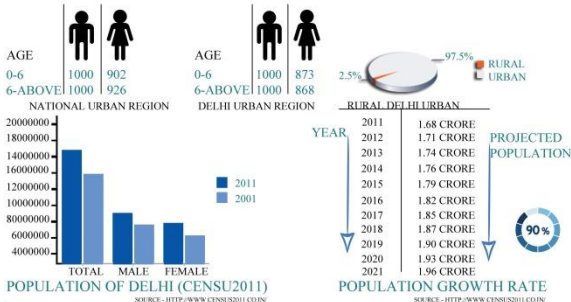
## SUNPATH

### CLIMATE-

DELHI HAS COMPOSITE CLIMATE



### POPULATION



# CASE STUDY 1

## NIZAMUDDIN URBAN RENEWAL INITIATIVE-

LOCATION : NIZAMUDDIN BASTI  
TRUST : AGA KHAN FOUNDATION



MCD POLYCLINIC

COMMUNITY  
TOILETS  
AGA KHAN OFFICE AND  
TRAINING CENTER  
HOPE FOUNDATION  
BUILDING

## HISTORY-

IN 1997, TO CELEBRATE THE 50TH ANNIVERSARY OF INDIA INDEPENDENCE HIS HIGHNESS THE AGA KHAN OFFERED TO RESTORE THE GARDEN OF HUMAYUN'S TOMB, MARKING THIS AS THE AGA KHAN TRUST FOR CULTURE'S FIRST ASSOCIATION WITH THE WORD HERITAGE SITE.

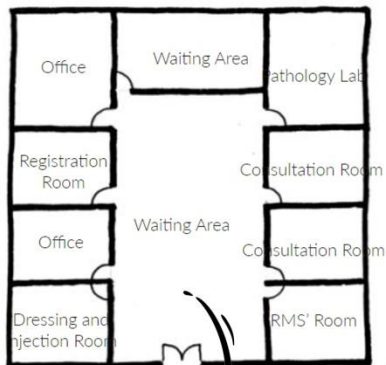
BUILDING ON THESE SUCCESSES, IN 2007 AN AGREEMENT WITH THE ARCHEOLOGICAL SURVEY OF INDIA. THE MUNICIPAL CORPORATION OF DELHI AND THE CENTRAL PUBLIC WORKS DEPARTMENT ENABLED THE AGA KHAN DEVELOPMENT NETWORK TO RETURN TO THE HISTORIC NIZAMUDDIN AREA TO UNDERTAKE AN URBAN RENEWAL INITIATIVE.

## INTENT-

THE PROJECT AIMS TO SERVE AS A MODEL FOR CIVIL SOCIETY ENGAGEMENT IN URBAN DEVELOPMENT. IT ALSO SEEKS TO DEMONSTRATE THAT CULTURE IS A SIGNIFICANT TOOL FOR DEVELOPMENT AND MAKES THE CASE FOR A RETURN TO A TRADITIONAL CRAFT-BASED APPROACH TO THE CONSERVATION OF INDIA'S MONUMENTAL BUILDING.



### MCD POLYCLINIC-

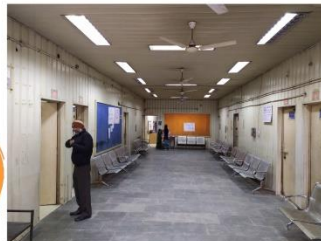
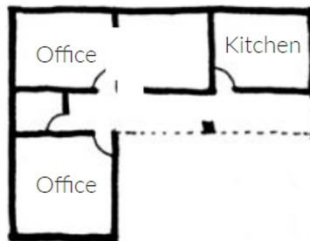


SKETCHED PLAN OF THE MCD POLYCLINIC

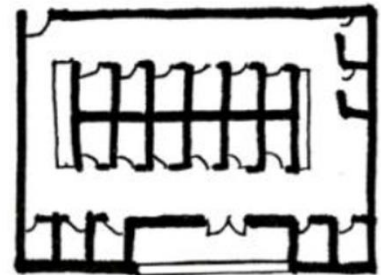


FUNCTIONAL RELATIONSHIP DIAGRAM

### AGA KHAN OFFICE AND VOCATIONAL TRAINING CENTRE-



### COMMUNITY TOILETS-



### INFERENCES-

OBSERVED ON SITE IMPLEMENTATION OF A PROJECT OF SIMILAR NATURE AND OF SIMILAR INTENT. HOWEVER THE MAJOR DIFFERENCE IS THAT HERE, EXISTING INFRASTRUCTURE WAS UPGRADED.

HEARTENING TO SEE PROGRESS AND ENTHUSIASM.

VISITING THE CENTER HELPED DEVELOP PROGRAM AS WELL HOWEVER SIZES LAYOUT WERE NOT OF MUCH HELP DUE TO DIFFERENCE IN CONSTRAINTS.

### HOPE FOUNDATION BUILDING-





## CASESTUDY2-

### POLYCLINIC FOR THE DESTITUTE-

LOCATION : OLD DELHI  
ARCHITECT : ROMI KHOSLA DESIGN STUDIO  
CLINT: SIR SOBHA SINGH CHARITABLE TRUST



### CONCEPTUAL UNDERPINNINGS-

BUILT IN METAL AND GLASS, THE NEW POLYCLINIC IS AN INTERVENTION OF CONTEMPORARY ARCHITECTURE. LOCATED ADJACENT TO AN OLD MOSQUE, THE POLYCLINIC PROVIDES A FASCINATING CONTRAST TO THE ANCIENT BUILDINGS OF OLD DELHI. THE ARCHITECTS FAMILIAR WITH THE SLUM CONDITIONS OF THAT AREA AS WELL AS THE DILAPIDATED BUILDINGS IN THE SURROUNDING STREETS, CHOSE TO REVITALIZED THIS DEPRESSED URBAN FABRIC BY CREATING A CONTEMPORARY INTERVENTION IN ITS MIDST WHICH WOULD SERVE THE COMMUNITY. TOTAL BUILTUP 600 SQM



### INFERENCES-

WHAT IS WORTH ANALYSING THOUGH IS THE REASON FOR PRESENT STATE OF DISREPAIR AND TH WHETHER THAT CAN BE COUNTERED AT THE DESIGN STAGE ITSELF BY NOT PROVIDING NOOKS AND CRANIES. BY HAVING PURE GEOMETRY AND A LOW MAINTENANCE BUILDING.

THE STUDY PROVED VALUABLE TO UNDERSAND THE VARIOUS SPACES REQUIRED AND THEIR SIZES AND ADJACENCIES.



GROUND FLOOR



1ST FLOOR

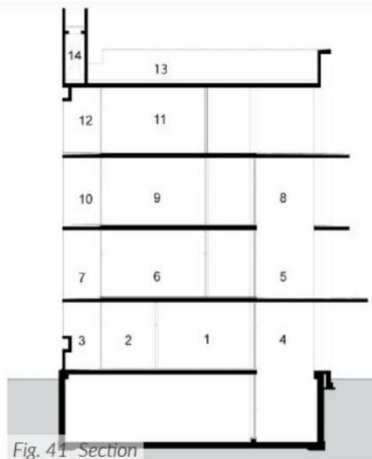


Fig. 41 Section

SECTION

### Legend

#### Ground Floor Plan

- 1- Lobby
- 2- Consultation Room
- 3- Consultation Room
- 4- Office
- 5- Storage
- 6- Toilet
- 7- Balcony
- 8- Toilet
- 9- Pantry
- 10- Ladies Washroom
- 11- Lift Shaft
- 12- Cut-out in slab

#### First Floor Plan

- 13- Corridor
- 14- Waiting Area
- 15- Ward 1
- 16- Ward 2
- 17- Toilet
- 18- Balcony
- 19- Toilets
- 20- Kitchen
- 21- Lift Shaft
- 22- Cut-out in slab

#### Section

- 1- Office
- 2- Storage
- 3- Toilet
- 4- Cut out in slab
- 5- Waiting Area
- 6- Ward 2
- 7- Toilet
- 8- Cut out in Slab
- 9- Ward 4
- 10- Toilet
- 11- Ward 8
- 12- Toilet
- 13- Terrace
- 14- Water Tank

### PRESENT CONDITION-

Third Floor	OCCUPIED BY AN NGO
Second Floor	LIES VACANT
First Floor	MOTHER AND CHILD OPD.
Ground Floor	DERMATOLOGY OPD ARE CONDUCTED ON THIS FLOOR AND THE OFFICES ARE LOCATED.



## LITERATURE STUDY 1:

### CENTRO DE ACÇÃO SOCIAL POR MÚSICA

GROTAO, PARAISOPOLIS  
SAO PAULO BRAZIL

#### ARCHITECT-

URBAN-THINK TANK  
ALFREDO BRILLEMBOURG & HUBERT KLUMPNER

#### SÃO PAULO

POPULATION: 10.5 MILLION  
METROPOLITAN REGION: 19.7 MILLION  
GEOGRAPHIC AREA: 1,523 KM2



#### REQUIREMENT-

**PLAYING FIELD**  
**PUBLIC ELEVATOR; ACCESS TO ALL LEVELS OF THE SITE**  
**BUS STOP AND TURN AROUND**  
**HANDICAP ACCESSIBLE PUBLIC RAMP**  
**NEW TERRACE SYSTEM**  
**URBAN AGRICULTURE**  
**TERRACE/PLAY SPACE**  
**SEATING FOR OUTDOOR PUBLIC EVENTS AND SPORTS**  
**TERRACE CONNECTIONS TO EXISTING PATHWAYS;**  
**RE-INTEGRATION OF FRAGMENTED CONTEXT**  
**EXISTING PATHWAYS**  
**AUXILIARY COMMUNITY CENTER**

#### PROJECT CATALYSTS-

##### HIGH-RISK ZONE

INCREASED EROSION, ONGOING MUDSLIDES, STEEP SLOPES, POOR SOIL, AND INADEQUATE STORMWATER RUNOFF DRAINAGE SYSTEMS HAVE CATEGORIZED GROTAO AS A HIGH-RISK ZONE. THESE ARE AREAS THAT ARE DEEMED UNFIT TO BUILD AND ARE THEREFORE IN NEED OF INNOVATIVE AND IMAGINATIVE SOLUTIONS.

##### LACK OF SOCIAL INFRASTRUCTURE

DUE TO RAPID URBANIZATION AND CHALLENGING TOPOGRAPHY, THE NECESSARY SOCIAL STRUCTURE AND EQUIPMENT WERE NOT INCORPORATED INTO THE DEVELOPMENT OF THE COMMUNITY.



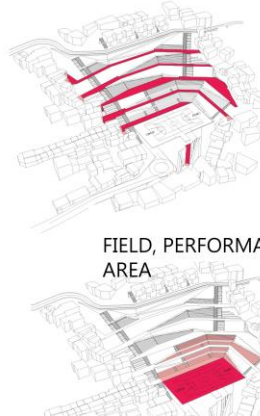
##### LACK OF PUBLIC SPACE

THIS HAS ALLOWED FOR AN EXTREMELY INFORMAL OCCUPATION OF LAND. ALL BUILDABLE LAND HAS BEEN COATED WITH HOUSING, LEAVING ONLY THE MINIMAL SPACE NEED FOR CIRCULATION UNCOVERED.

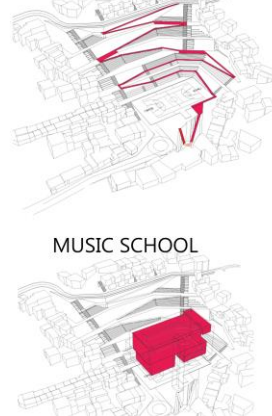


#### PROJECT COMPONENTS-

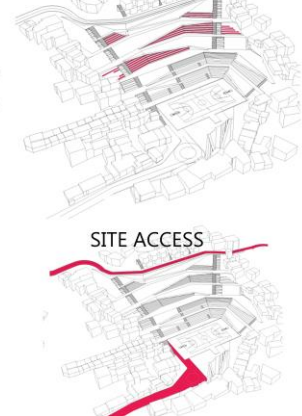
##### TERRACES



##### PUBLIC RAMP SYSTEM



##### URBAN AGRICULTURE



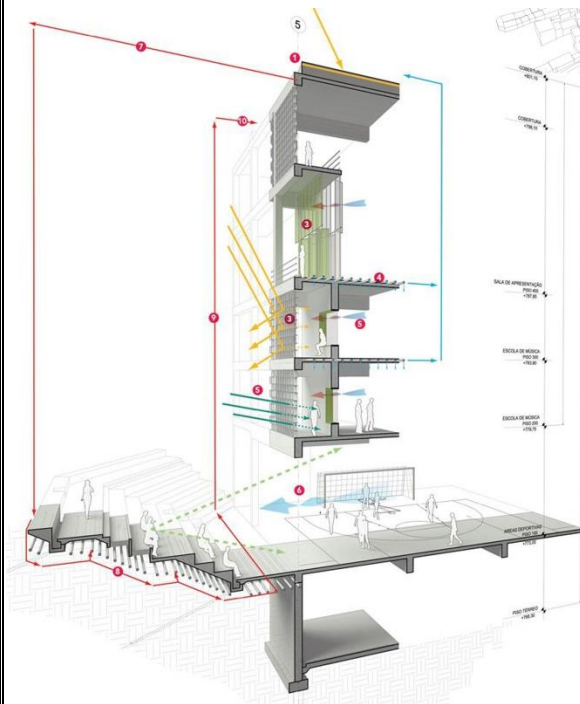
##### FIELD, PERFORMANCE AREA

##### MUSIC SCHOOL

##### SITE ACCESS



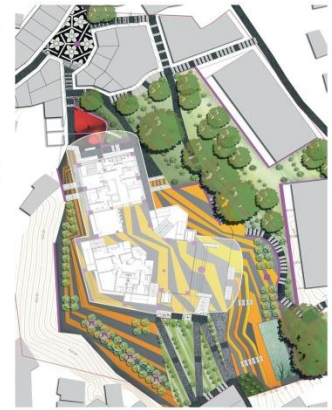
#### BUILDING SYSTEMS



- 9 NATURAL VENTILATION CHIMNEY COMBINATION OF STACK, SOLAR AND WIND SUPPORTED VENTILATION SYSTEM.
- 10 HYBRID PHOTOVOLTAIC PANEL ELECTRICITY DURING THE DAY IR-EMISSION OF WATER DURING THE NIGHT.
- 11 AIR CONDITIONER.
- 12 SHADING PROTECTS AGAINST SOLAR EXPOSURE ALONG THE EAST AND WEST FACADE
- 13 SLAB COOLING TEMPERING THE CONCRETE STRUCTURE WITH EMBEDDED HYDRONIC PIPING
- 14 HYBRID VENTILATION NATURAL VENTILATION IN SHOULDER SEASONS AC OPERATION IN HUMID SEASON
- 15 CROSS VENTILATION WIND FROM SOUTH DIRECTION PROVIDES FRESH AIR, WARM WINDS COMING FROM NORTH DIRECTION ARE BLOCKED BY THE HILL.
- 16 HEAT REJECTION FROM AIR CONDITIONER.
- 17 HEAT SINK DURING DAY.
- 18 HEAT EMISSION DURING NIGHT BY LUNAR COLLECTOR ON ROOF.
- 19 CHILLED WATER TO AIR CONDITIONER

### PROGRAM-

Third Floor Level	Auditorium
Second Floor Level	Rehearsal Rooms
First Floor Level	Retail Rehearsal Rooms
Ground Floor Level	Sports Area
Basement	Parking Storage



### REFERANCES-

SUCCESS OF THESE PROJECTS HINGES VERY MUCH ON HOW THE COMMUNITY TAKES OF THEM.

THE PROJECT TAKES IN TO THE CONSIDERATION SUSTAINABILITY IN ALL ITS DEFINITION

ESPECIALLY NOTEWORTHY IS THE RESPONSE TO THE

PARAMETERS	URACIH	POLYCLINIC FOR DESTITUTE	NIZAMUDDIN URBAN RENEWAL INITIATIVE	ARANYA LOW CAST HOUSING
LOCATION	SAO PAULO, BRAZIL	OLD DELHI	NIZAMUDDIN BASTI, DELHI	INDORE CITY, M.P.
PROJECT TYPE	A SPORT AND MUSIC CENTER	A SPORT AND MUSIC CENTER	SERIES OF INTERVENTION IN THE FIELDS OF HEALTH, EDUCATION AND SANITATION.	LOW CAST HOUSEING.
PLOT SIZE	6028 SQM	254 SQM	N/A	86 HECTARES
BUILT UP AREA	3274 SQM	1039 SQM	N/A	10,000 SQM
FAR	0.5	APPROX. 4	N/A	N/A
GROUND COVERAGE	15%	95%	-	
PROGRAM	SPORT ARE, RETAIL MUSIC ROOM AUDITORIUM	WAITING AREA LABS WARD CONSULTATION ROOM	POLYCLINIC COMMUNITY TOILETS TRAINING CENTER INFORMATION CENTER DAYCARE, CAFE	RESIDENCE FOR EWS COMMERCIAL AREA PLAYING AREA





# CONCEPT

## CONCEPT

## INTRODUCTION

### • SITE LAYOUT DETAIL



THE CENTRE FOR COMMUNITY DEVELOPMENT IN MADANPUR KHADAR JJ COLONY AIMS TO ASSUME THE ROLE OF SOCIAL AGENCY BY MEAN OF AN ARCHITECTURE INTERVENTION. THE PROJECT SCOPE AND AIMS TO BRING ABOUT SOCIAL CHANGE IN THE COMMUNITY. THE PROJECT SCOPE AND PROFILE WAS DEVELOPED AFTER RESEARCHING THE PROBLEMS FACED BY THE COMMUNITY.

### ABOUT TOPIC

THE CENTRE FOR COMMUNITY DEVELOPMENT IN MADANPUR KHADAR JJ COLONY.



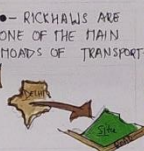
### AIMS & OBJECTIVE

- CREATE ENVIRONMENT AND COMMUNITY ENGAGEMENT, CREATE SPACE.
- MAKE FAMILIAR.
- SELF-GROWTH AN INDIVIDUAL LEVEL.



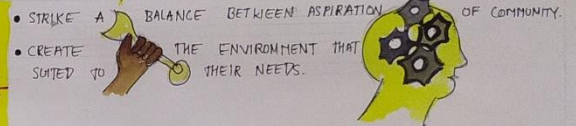
### SITE LOCATION

THE SITE IS CONNECTED TO THE MAIN CITY ROAD VIA THE SARITA VIHAR- MADANPUR KHADAR ROAD. THE NEAREST METRO STATION IS KALINDI KUNJ. ONLY TWO BUSES RUN 404 AND 445 WHICH HAVE LOW FREQUENCY.



### AIMS & OBJECTIVE

- STRIKE A BALANCE BETWEEN ASPIRATION OF COMMUNITY.
- CREATE THE ENVIRONMENT THAT SUITED TO THEIR NEEDS.



### SITE CLIMATE

HOT AND DRY WIND DURING DRY SEASONS. THE CLIMATE OF DELHI IS COMPOSITE WITH HIGH VARIATION (94W). SUMMERS - WINTERS - 34W.



### AREA & REQUIRE

- FAR- 171
- AREA - 6.47 ACRE
- GC - 30%
- PROJECTS INCLUDES -
- SKILL DEVELOPMENT BUILDING.
- SPORTS & RECREATION.
- DHARAMSHALA
- CLINIC.
- ADMIN.



DELHI HAS COMPOSITE CLIMATE.

THE MAIN ARTERIAL ROAD 16M WIDE SOUTH FACING. RESPECT TO THE SITE.



## CLIMATE



BUILDING FORM:- BUILDING FORM IS PANTAGONAL FORM.

WIND:- SUMMER - SW-NE WINTER - NE-SW

SUNPATH DIAGRAM ON SITE.

MIN. TEMP. IN WINTERS 4-5  
MAX. TEMP. IN SUMMERS - 45-48  
TEMP. IN MONSOON - 25-30

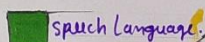
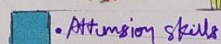
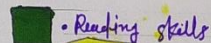
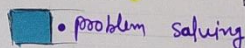
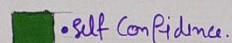
PRECIPITATION:- DELHI IS THE CITY OF COMPOSITE CLIMATE. A HUGE VARIATION IN TEMP. IN WINTER & SUMMER IN MONSOON RAIN FALL AVERAGE - 715MM

VEGETATION:- THERE IS NO PROPER VEGETATION AT THE SITE APART FROM SOME SHRUBS.

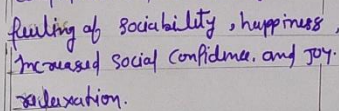
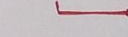
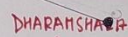
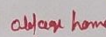
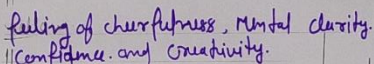
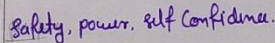
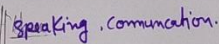
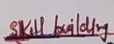
Guided by - PROF. K.K. Dixit  
By - ARCHITECT VERNIA 04 MAR 2020



## CONCEPT.

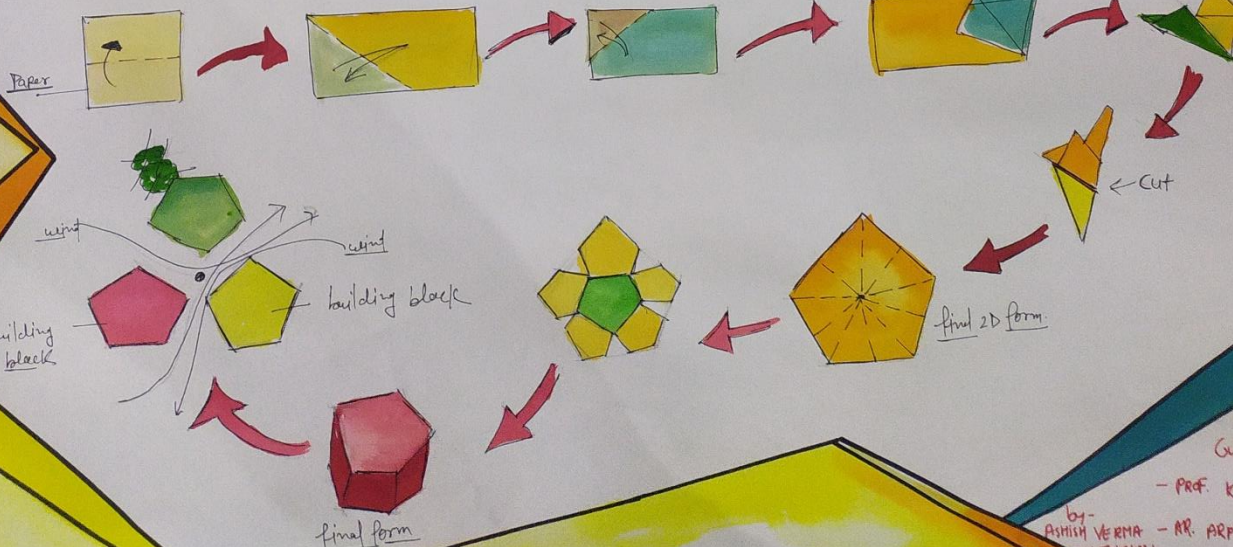


# COLOURS

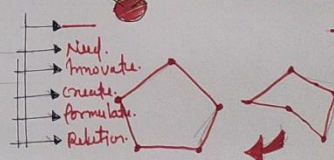
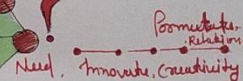
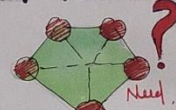


## FORM EVOLUTION:

EACH COLOUR DEPICTS TRUE MEANING OF BUILDING.



## WHY PANTAGON



Guided by-

- Prof. K.K. Kixit

by-  
ASHISH VERMA - AR. ARPIT TEWAR  
1150101021

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# CONCEPT

STACKING



Site Plan



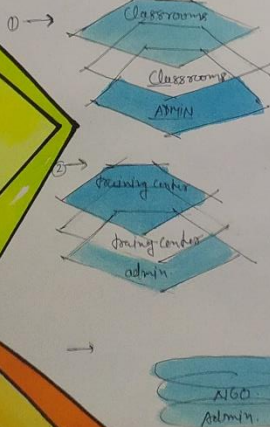
Skill building



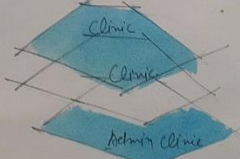
CHILDREN PLAYING AREA

Public building

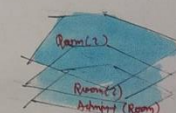
Skill Development



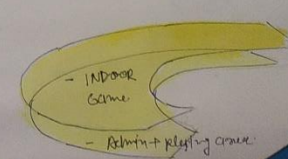
Sumipinuti building



Protest building



Sports



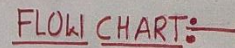
GUIDED BY-

PROF. K.K. DIXIT  
AR. ARPIT TEWARI

by-  
AMISHVERNA



## ZONING



Hand-drawn site plan of a school campus. The plan shows a central 'MAIN ENTRANCE' at the top, with 'SPORTS' to the left and 'PARKING' to the right. Below the entrance are 'ADMIN', 'SKILL BUILDING', and 'RESIDENCE'. Further down are 'OFFICE', 'N/60', 'ENTRY COBBY', 'DHARAMSHALA', and 'TRAINING CENTRE'. At the bottom are 'CLASSROOMS'. A green area on the left is labeled '71m'.



— Public building —

- Semiprecious building —

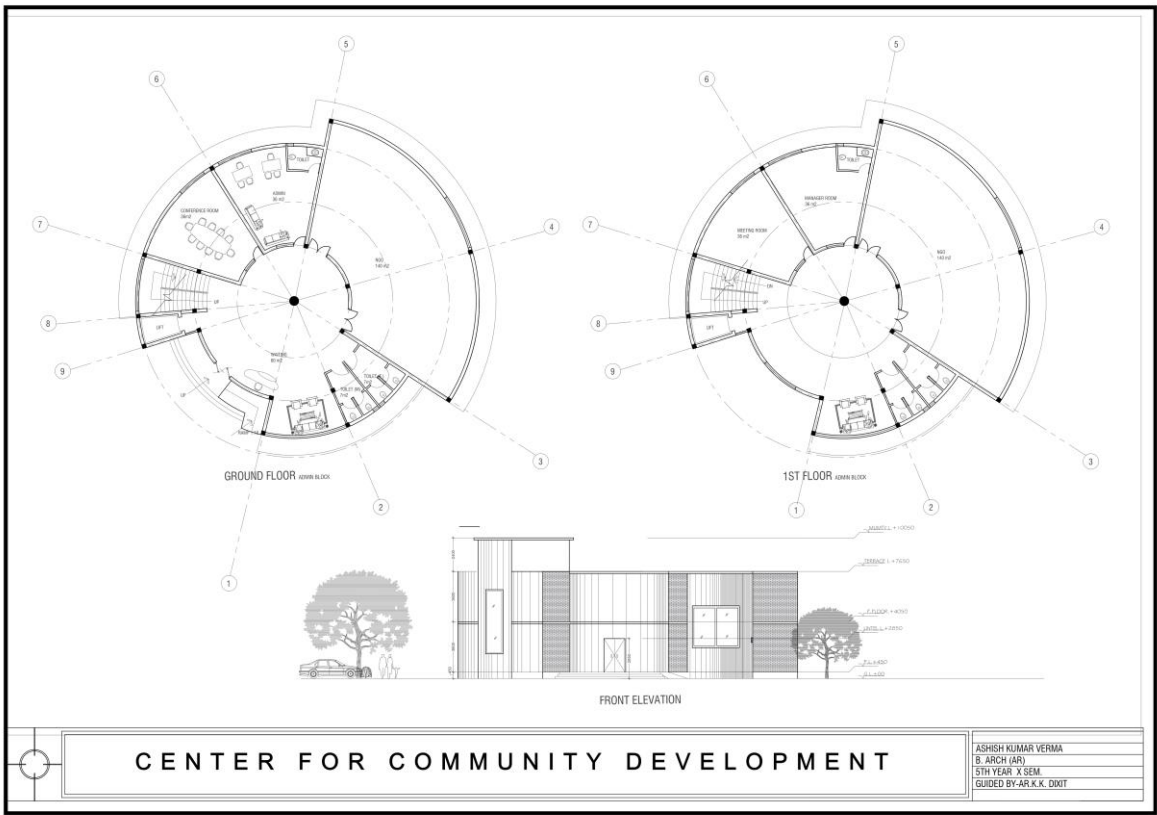
- Project handling

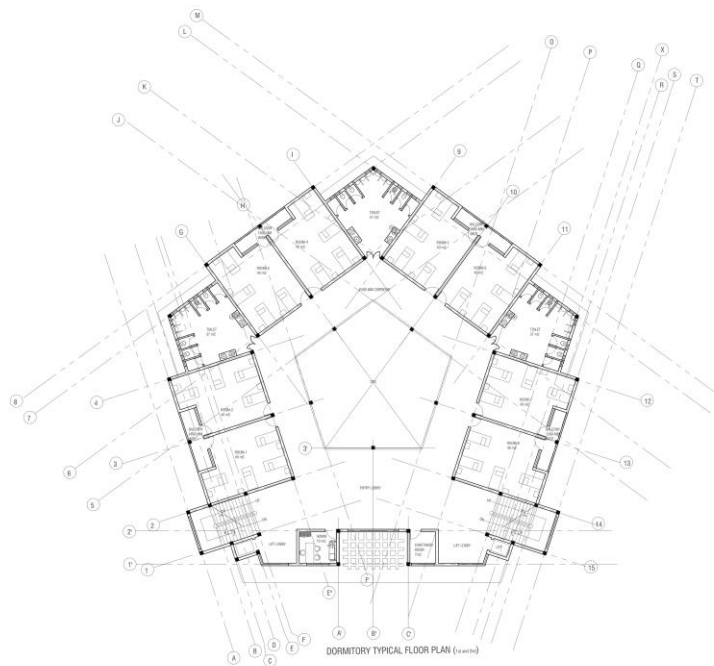
- 
- A child's drawing on a piece of paper. It features two green, cross-hatched trees. A thick, dark green line winds through the center of the drawing, resembling a path or a river. In the bottom right corner, there are two small red figures standing side-by-side. There are some faint, illegible markings in the top left corner, possibly "my" and "my".

04 MAR 2020

by-  
ASHISH VERMA  
- 1150101021

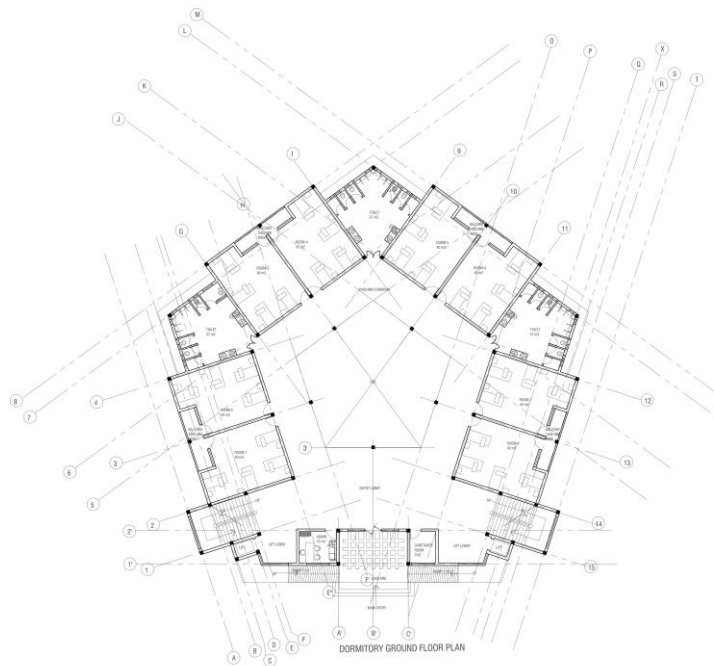






## CENTER FOR COMMUNITY DEVELOPMENT

ASHISH KUMAR VERMA  
B. ARCH (AR)  
5TH YEAR, X SEM  
GUIDED BY-AR.K.K. D00T



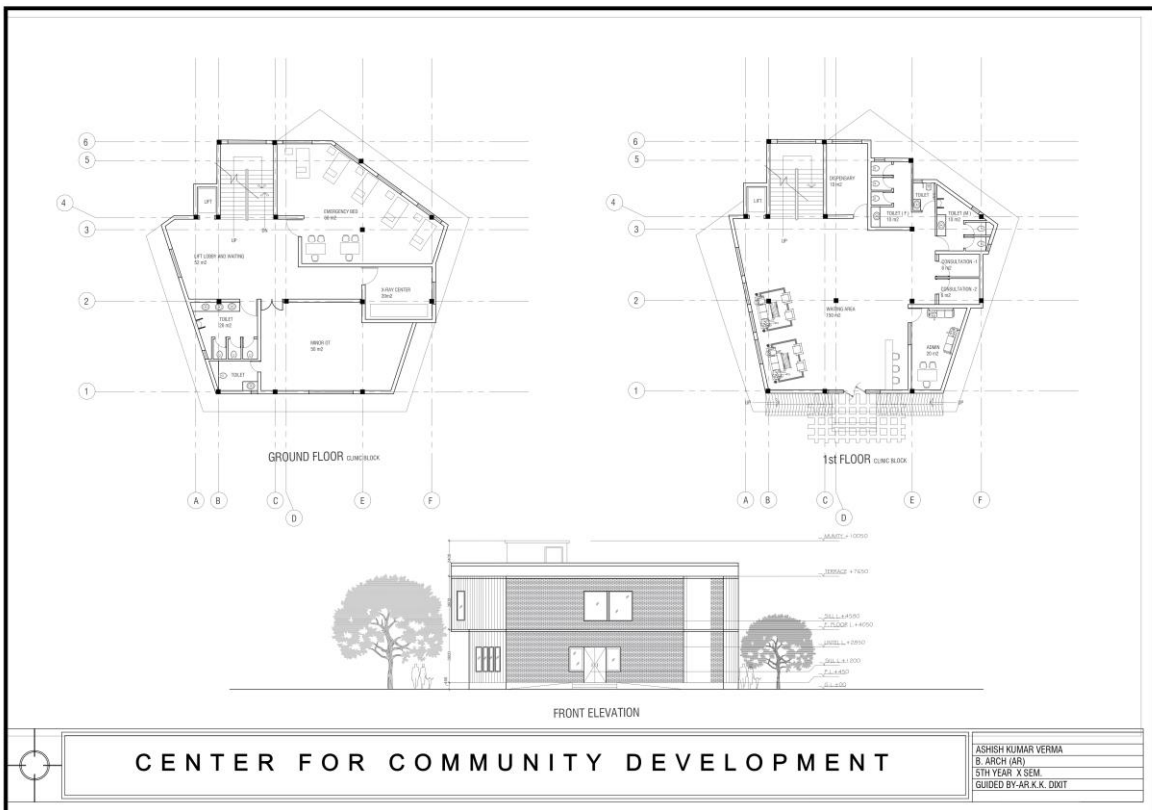
## CENTER FOR COMMUNITY DEVELOPMENT

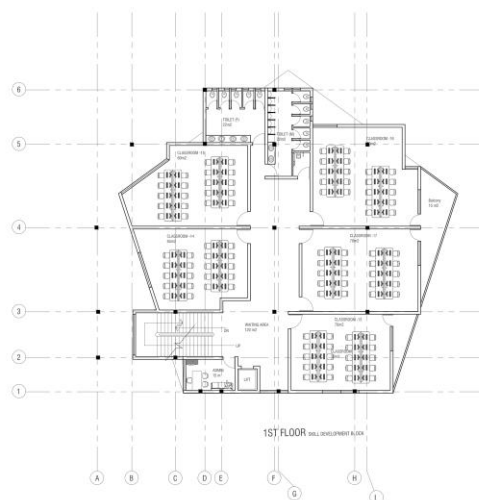
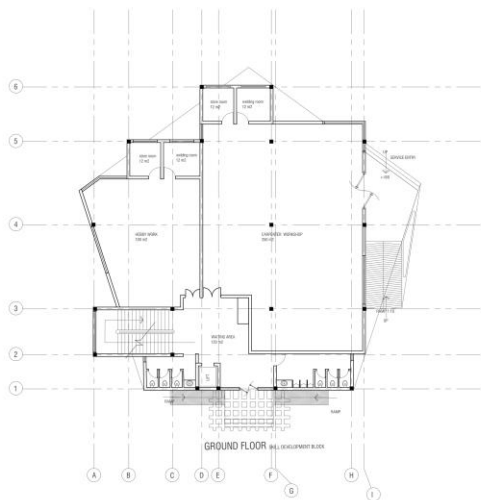
ASHISH KUMAR VERMA  
B. ARCH (AR)  
5TH YEAR, X SEM  
GUIDED BY-AR.K.K. D00T





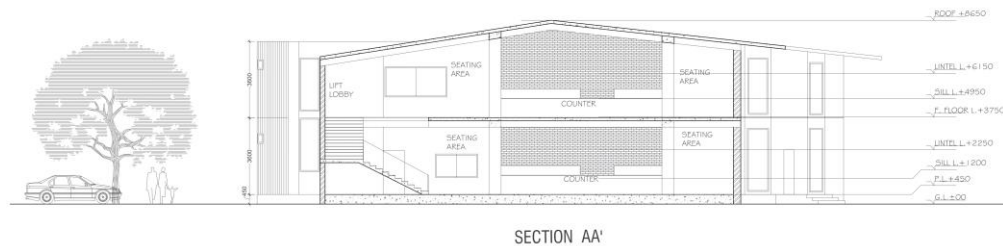
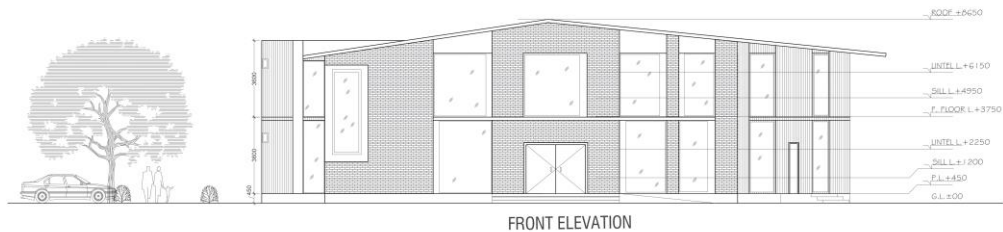






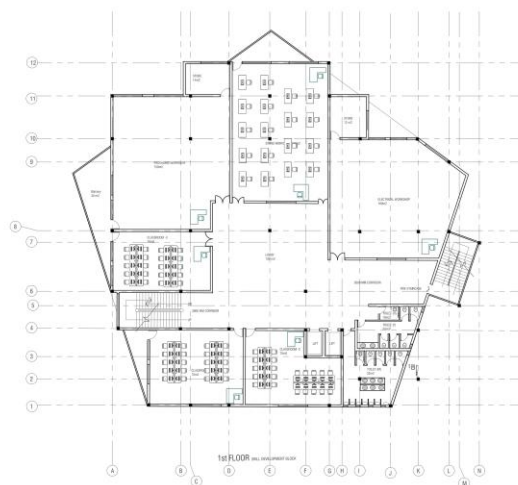
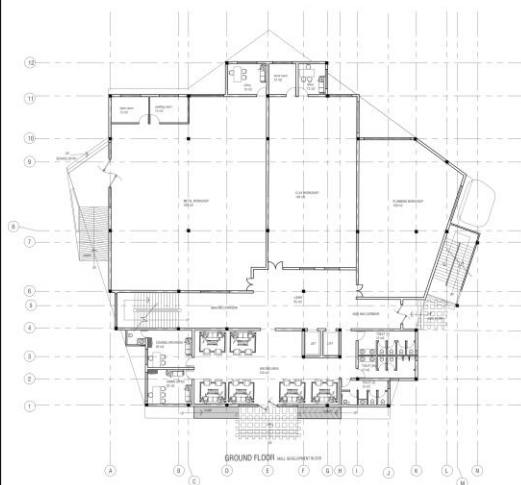
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ASHISH KUMAR VERMA  
B. ARCH (AR)  
5TH YEAR X SEM  
GUIDED BY-AR.K.K. DMIT



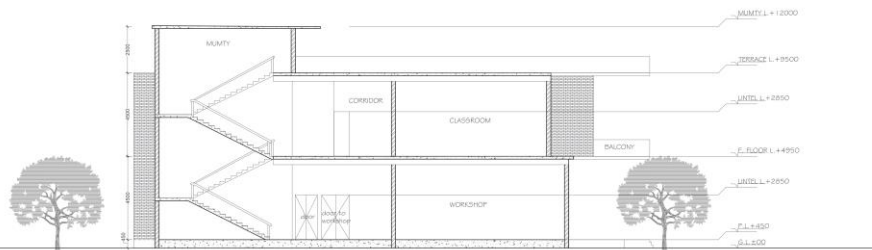
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ASHISH KUMAR VERMA  
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5TH YEAR X SEM  
GUIDED BY-AR.K.K. DMIT

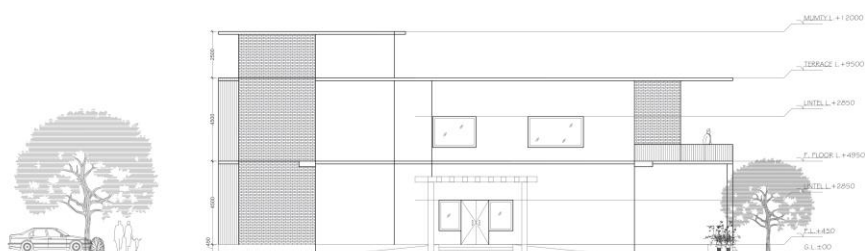


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ASHISH KUMAR VERMA  
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5TH YEAR X SEM  
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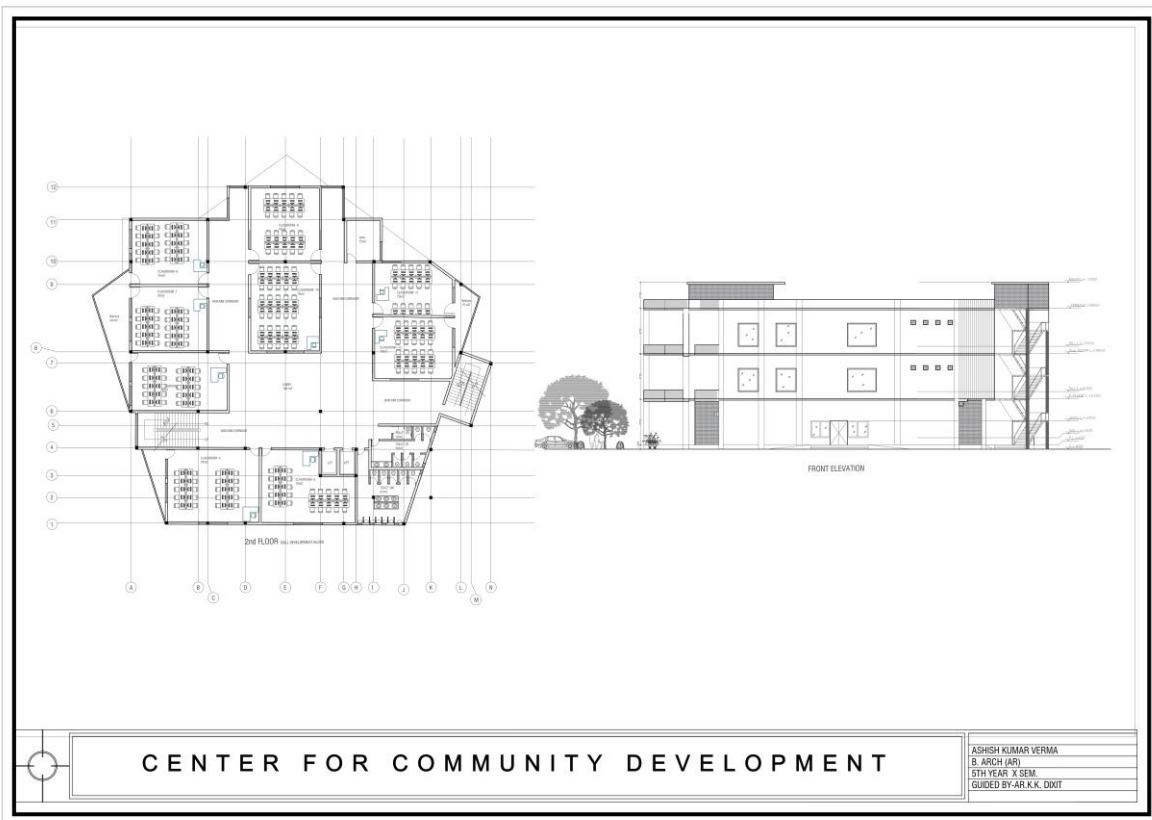
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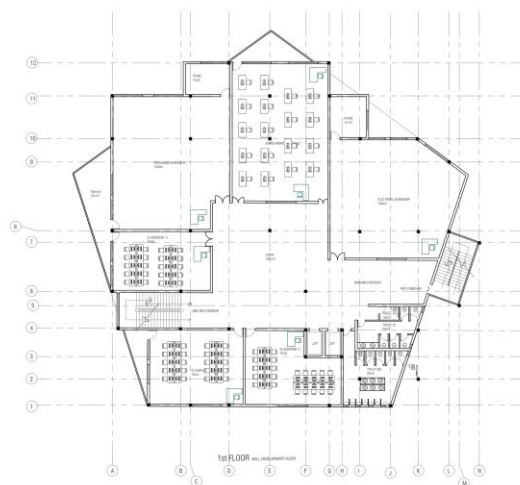
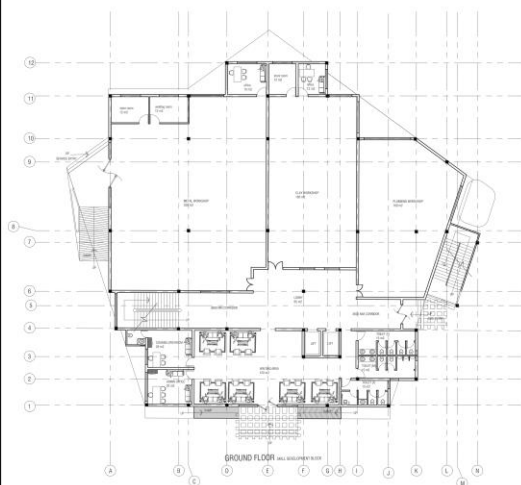


FRONT ELEVATION

## CENTER FOR COMMUNITY DEVELOPMENT

ASHISH KUMAR VERMA  
B. ARCH (AR)  
5TH YEAR X SEM  
GUIDED BY-AR.K.K. DMIT





# CENTER FOR COMMUNITY DEVELOPMENT

ASHISH KUMAR VERMA  
B. ARCH. IARY  
5TH YEAR X SEM.  
GUIDED BY-AR.K.K. DIXIT

