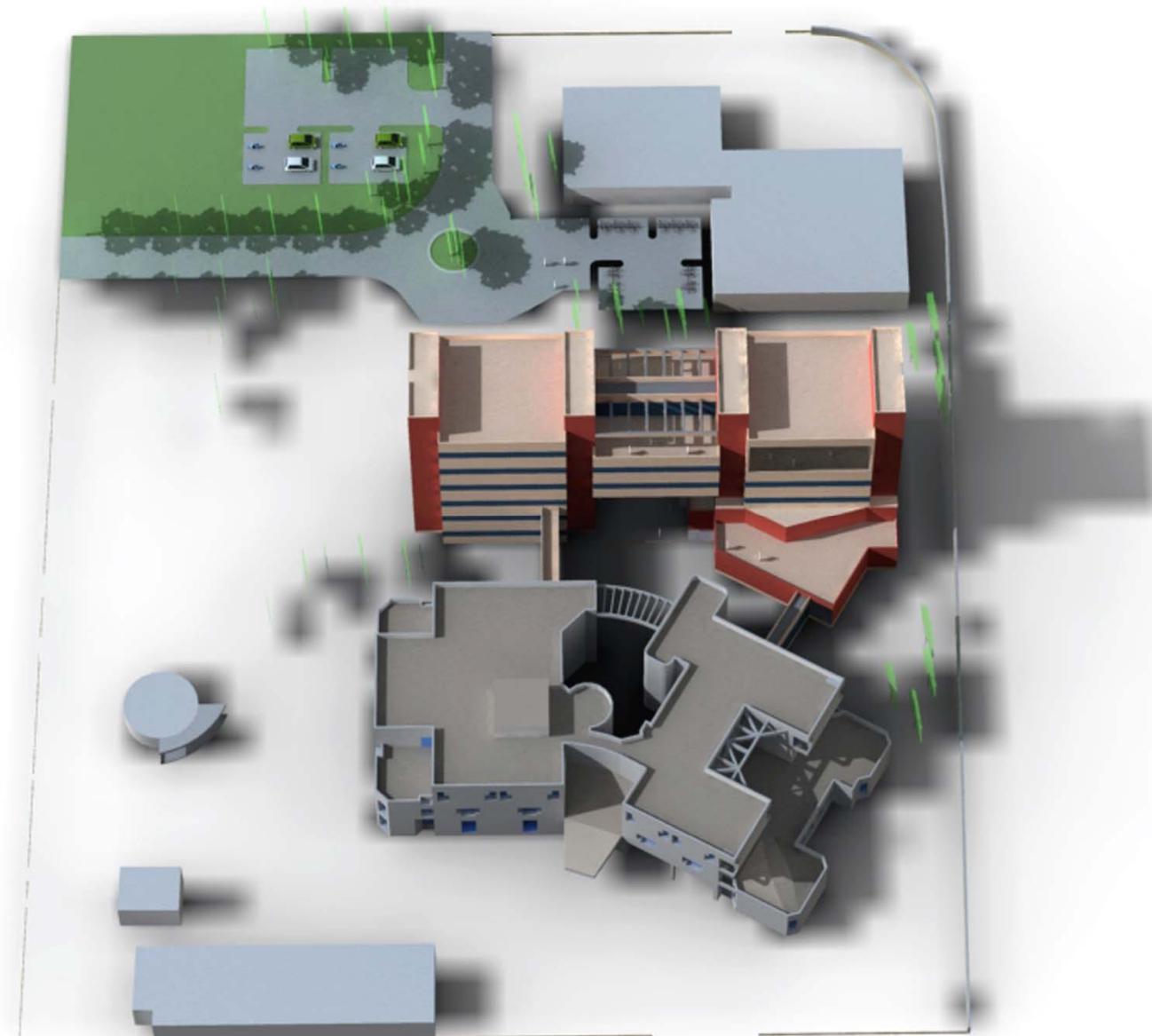
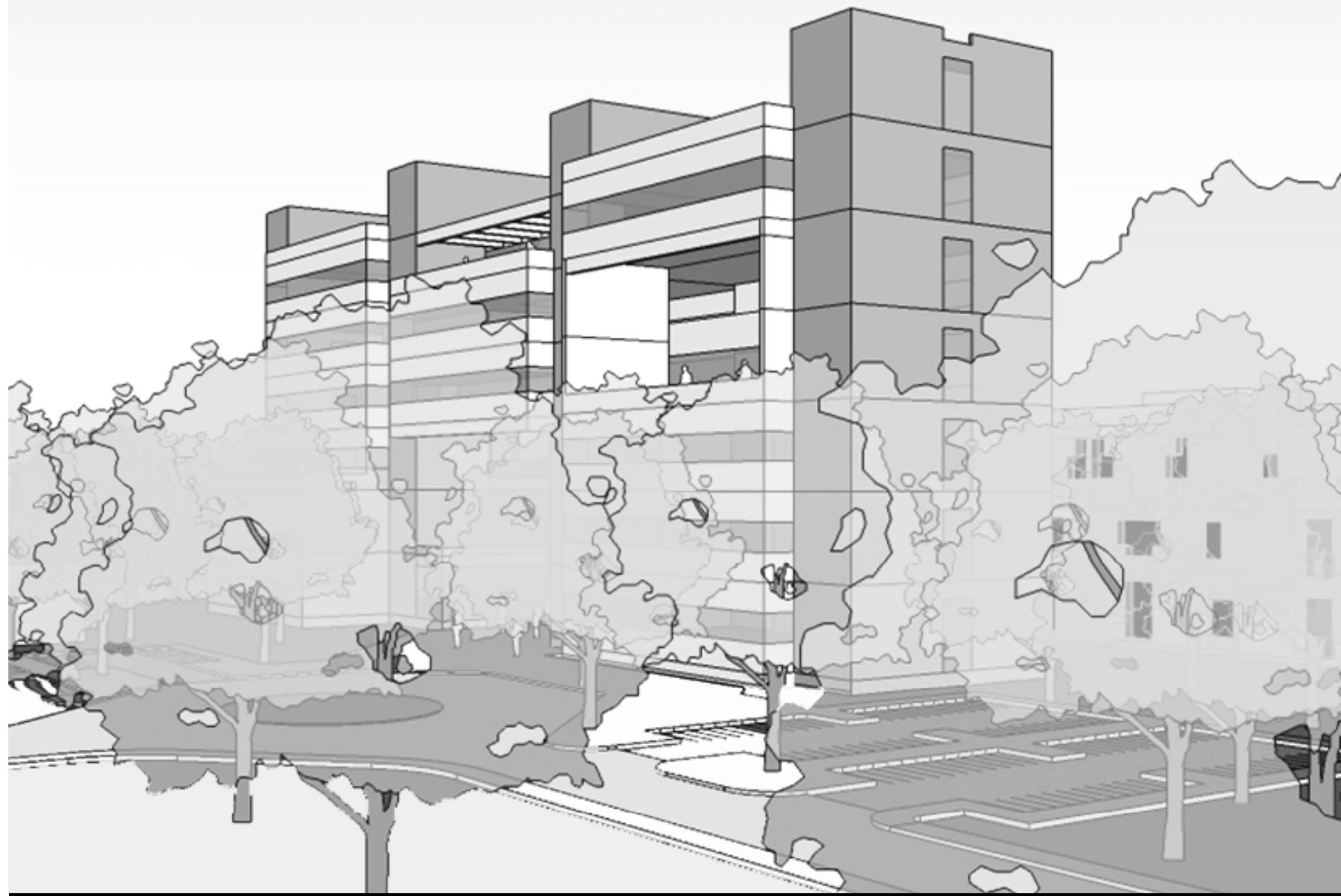


# RAJEEV MOTWANI BUILDING, IIT-KANPUR



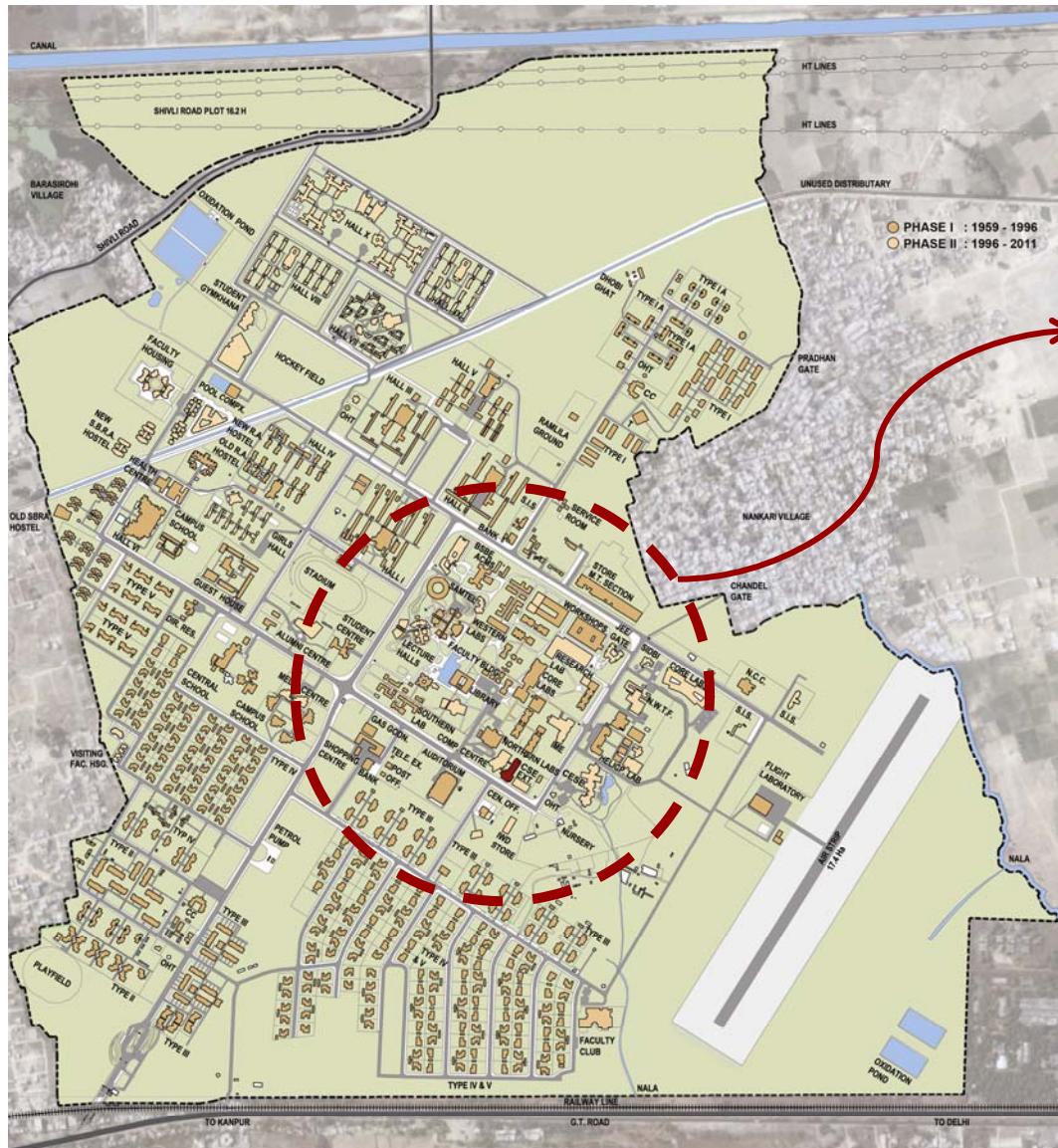
KANVINDE RAI & CHOWDHURY

# RAJEEV MOTWANI BUILDING, IIT-KANPUR



KANVINDE RAI & CHOWDHURY

# RAJEEV MOTWANI BUILDING, IIT-KANPUR

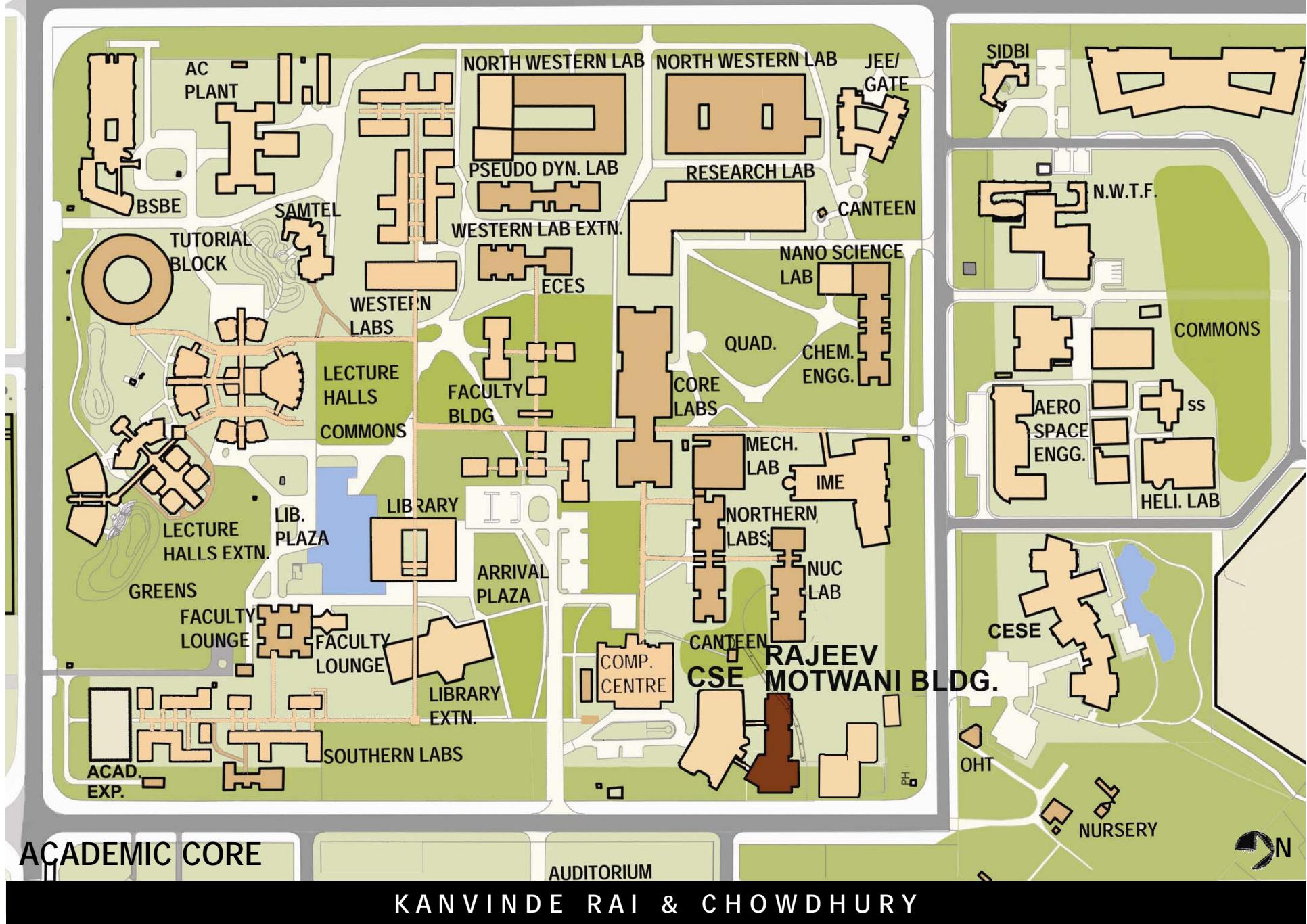


ACADEMIC CORE

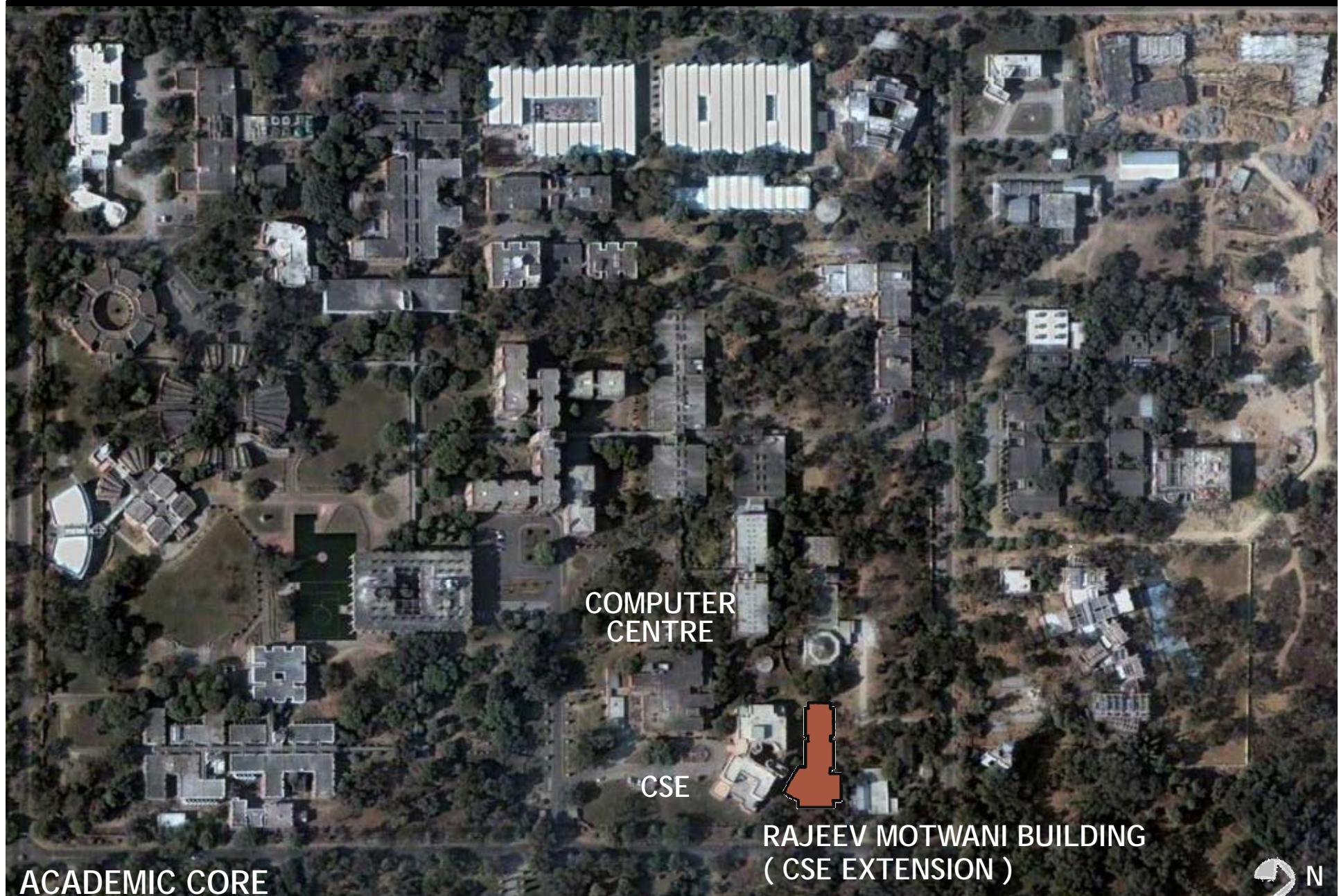
IIT KANPUR SITE PLAN

KANVINDE RAI & CHOWDHURY

# RAJEEV MOTWANI BUILDING, IIT-KANPUR



# RAJEEV MOTWANI BUILDING , IIT-KANPUR



ACADEMIC CORE

CSE

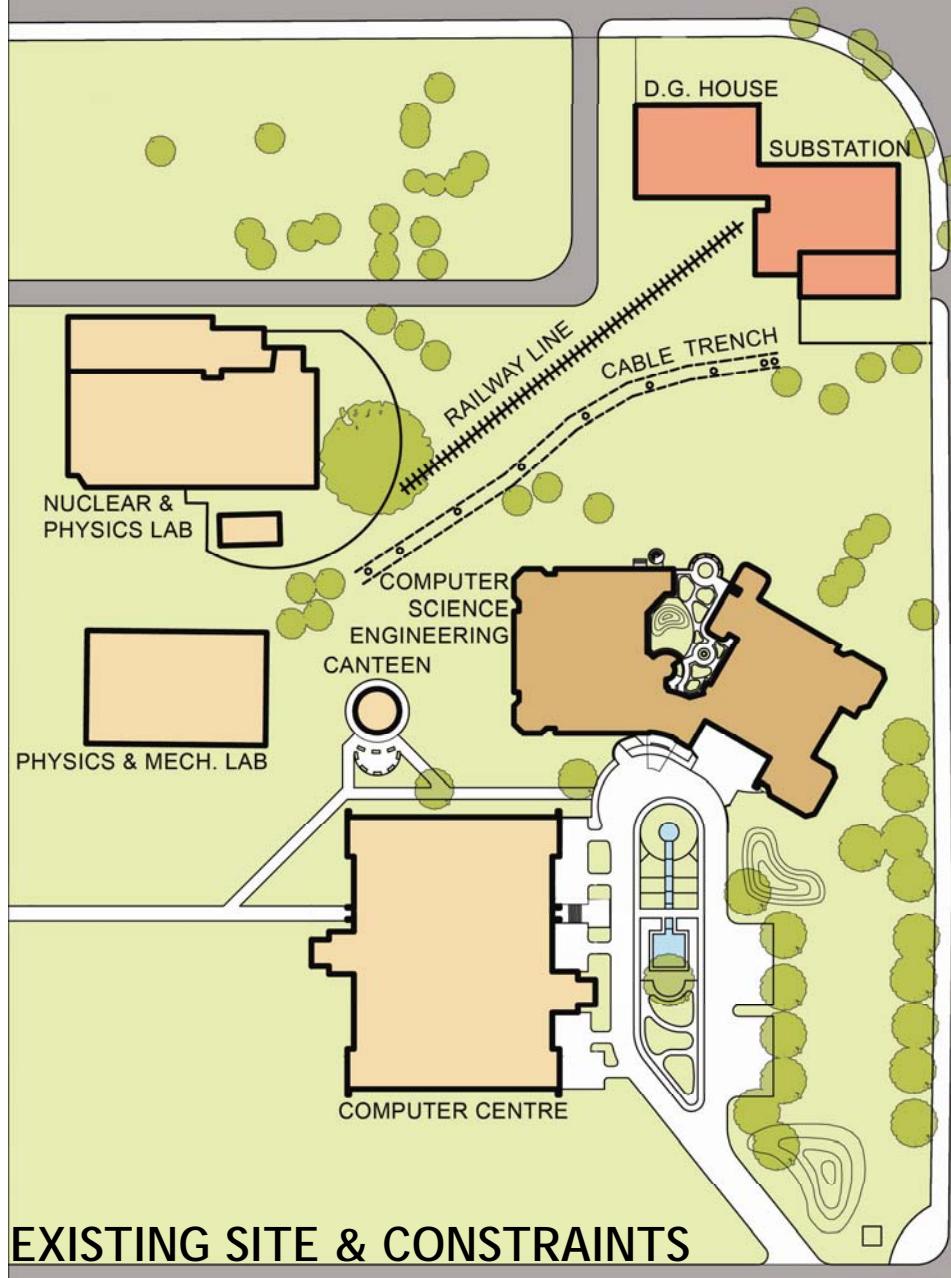
RAJEEV MOTWANI BUILDING  
( CSE EXTENSION )

KANVINDE RAI & CHOWDHURY

1. Class Room of capacity for 175 to 200
2. Meeting Room for 40 people
3. Faculty Office 200 sqft - 20 nos.
4. Large Labs : 15-20 seats - 5 nos.
5. Small Labs including PhD rooms : 10 seats - 15 nos.
6. Interactive Waiting Space.
7. Room for printer/ UPS/ lab staff at each floor
8. Server Room - 500 sqft
9. Store
10. Rest Rooms
11. Cycle Stand for 150 cycles

PROJECT BRIEF

# RAJEEV MOTWANI BUILDING, IIT-KANPUR



KANVINDE RAI & CHOWDHURY

COMPUTER CENTRE



COMPUTER SCIENCE  
ENGINEERING BLDG

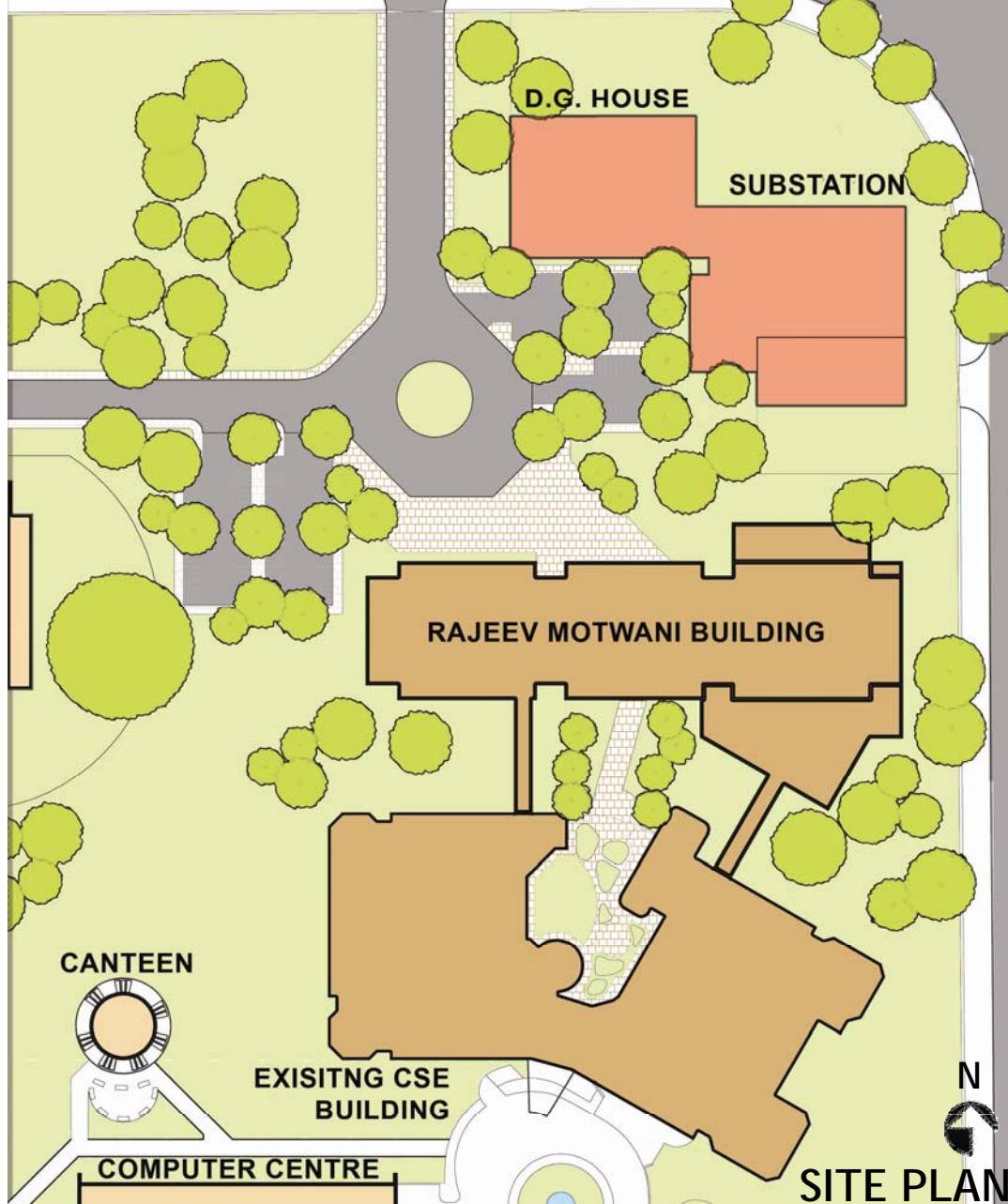


SUBSTATION



RAILWAY LINE &  
CABLE TRENCH

# RAJEEV MOTWANI BUILDING, IIT-KANPUR



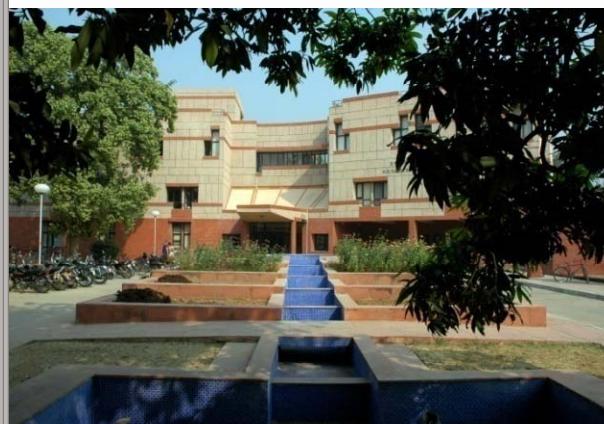
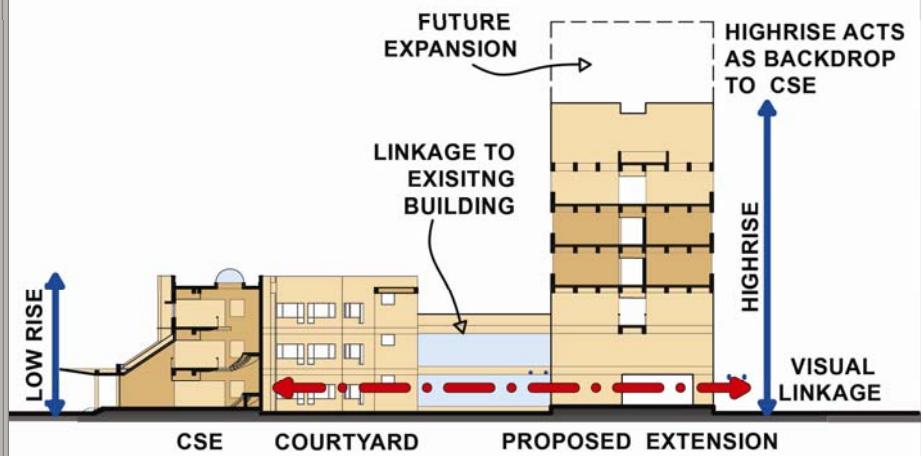
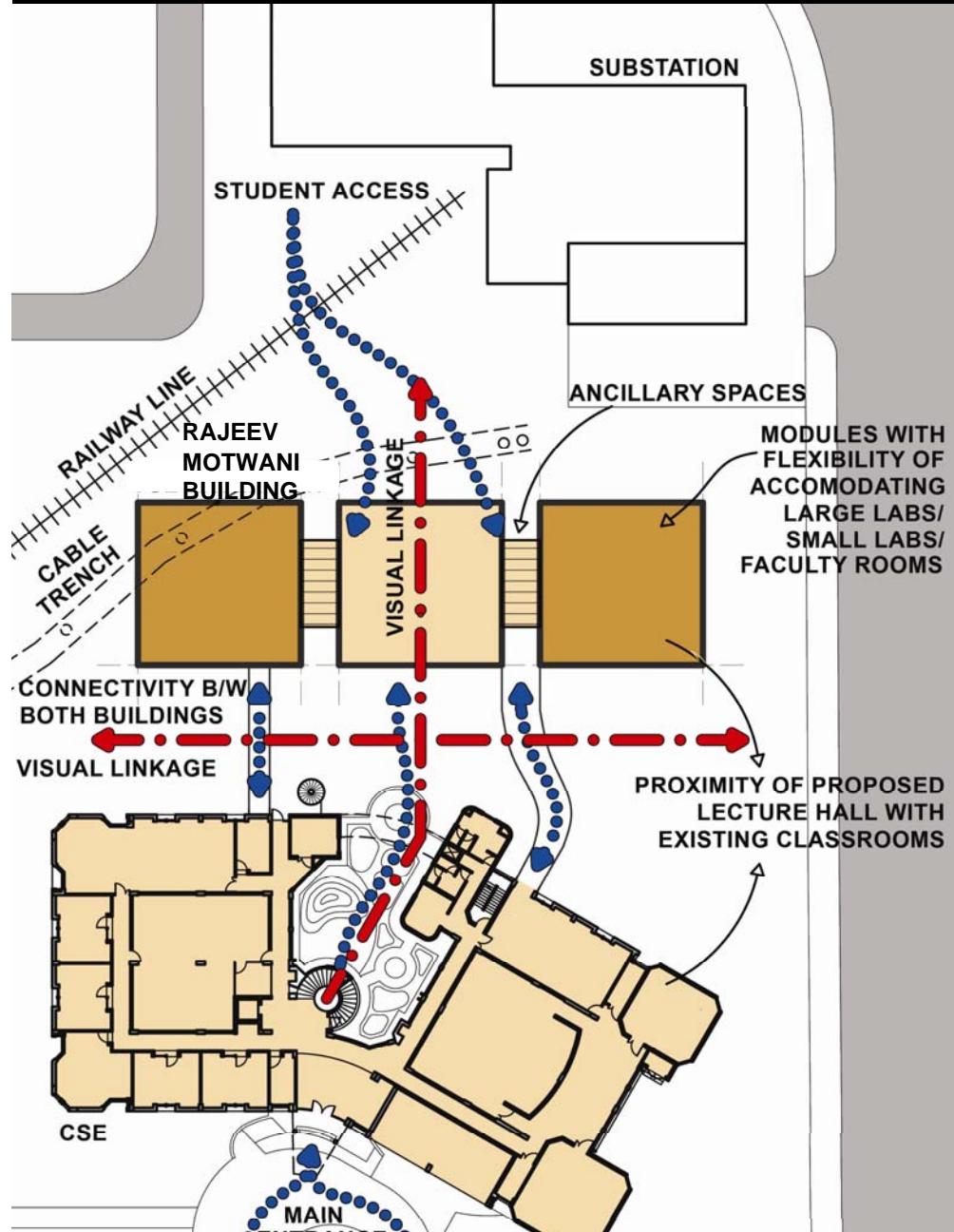
KANVINDE RAI & CHOWDHURY

- \* Integrate with the existing development.
- \* Use the expansion as an extension of the existing building.
- \* Provide flexibility for space usage.
- \* Orient the development to minimize heat gain and create an energy efficient facility.
- \* Possibility of vertical future expansion.

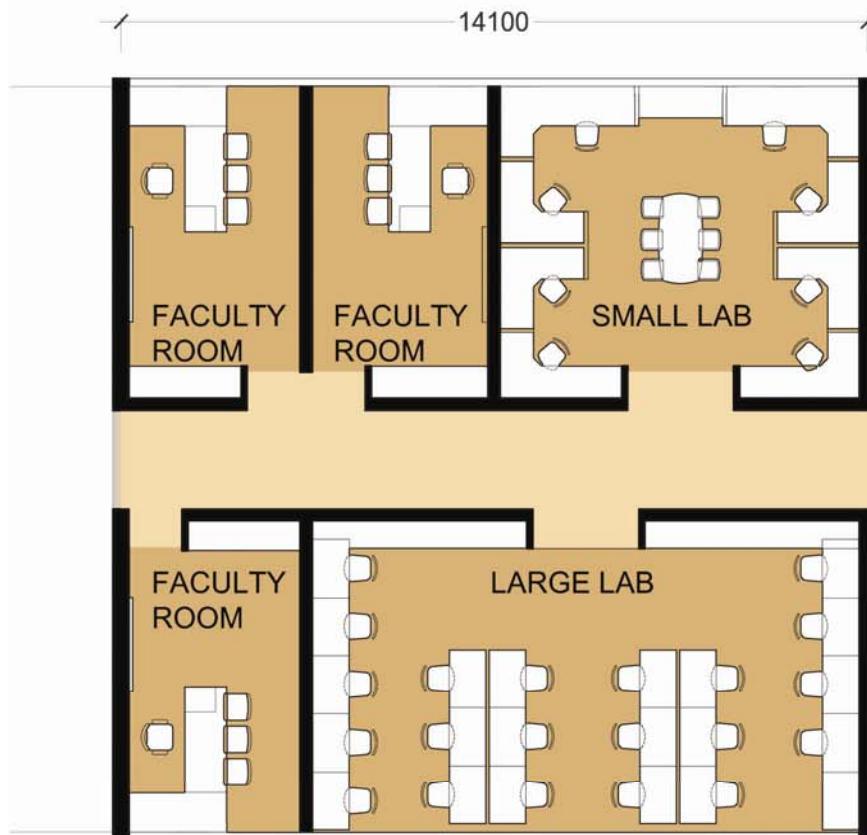


DESIGN CONSIDERATIONS

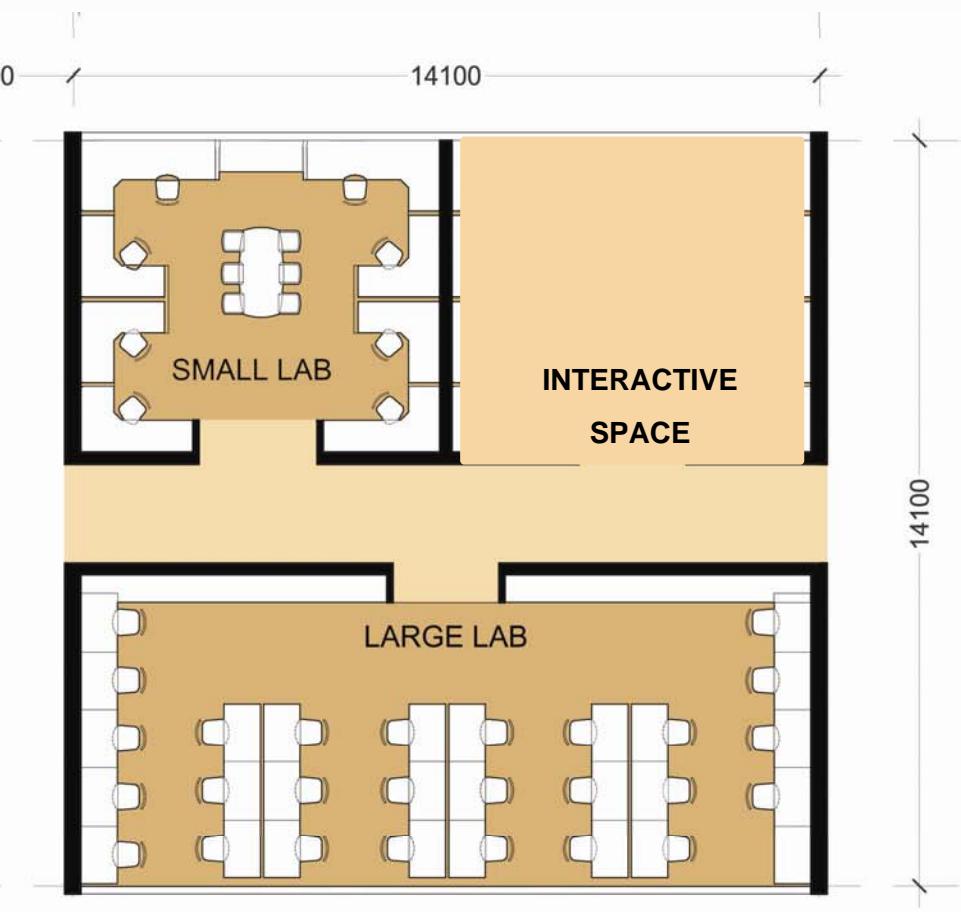
# RAJEEV MOTWANI BUILDING, IIT-KANPUR



Alternate 1



Alternate 3



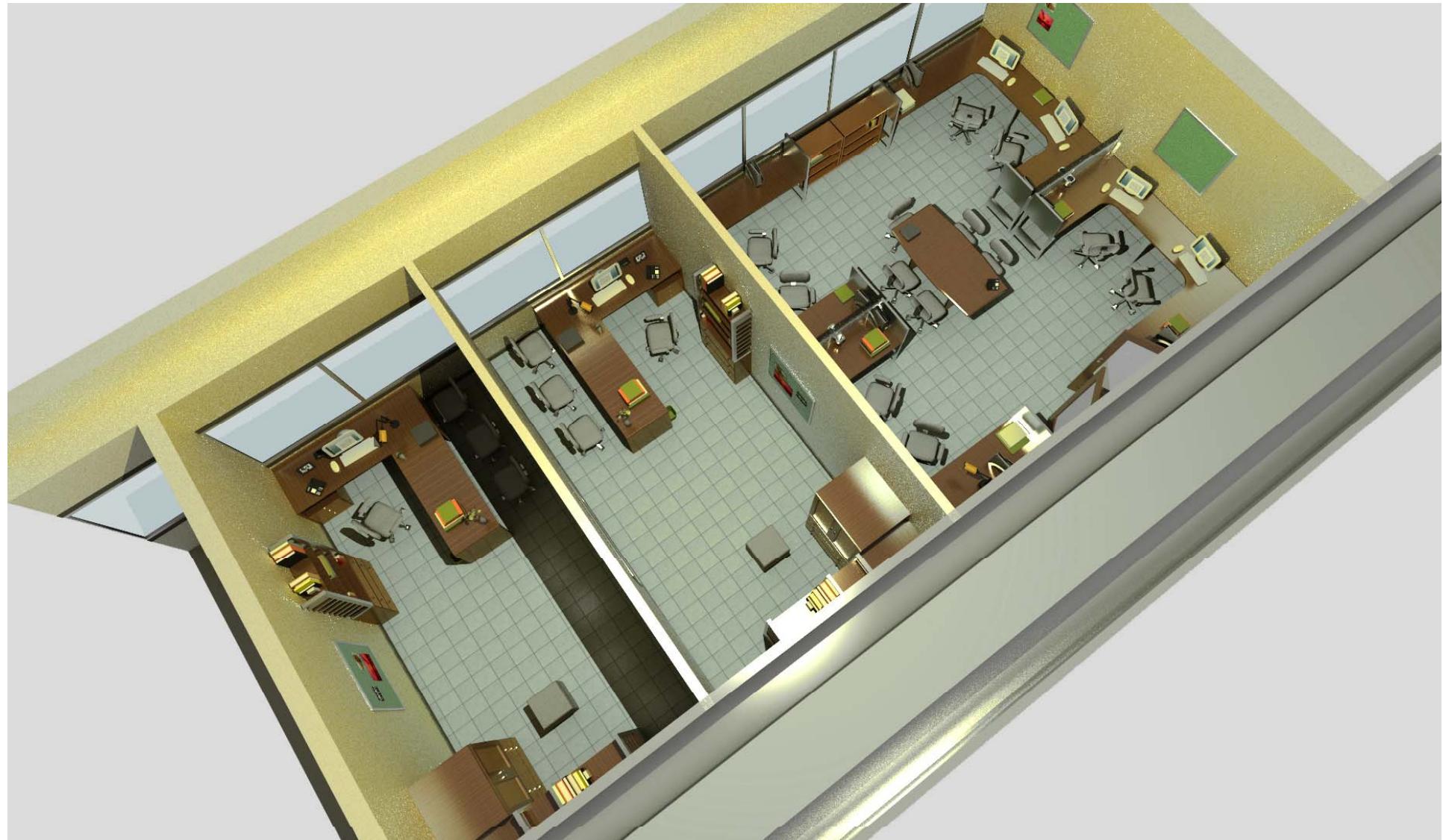
Alternate 2

Alternate 4

ADAPTABILITY OF MODULE TO DIFFERENT USE

KANVINDE RAI & CHOWDHURY

# RAJEEV MOTWANI BUILDING , IIT-KANPUR



MODULE

KANVINDE RAI & CHOWDHURY

RAJEEV MOTWANI BUILDING , IIT-KANPUR



FACULTY ROOM

KANVINDE RAI & CHOWDHURY

# RAJEEV MOTWANI BUILDING , IIT-KANPUR



FACULTY ROOM

KANVINDE RAI & CHOWDHURY

# RAJEEV MOTWANI BUILDING , IIT-KANPUR



SMALL LAB

KANVINDE RAI & CHOWDHURY

# RAJEEV MOTWANI BUILDING , IIT-KANPUR



SMALL LAB

KANVINDE RAI & CHOWDHURY

- \* Since footprint limited, development envisaged as a highrise structure, used as a backdrop to the existing lowrise building.
- \* Use of stilted areas providing visual linkage and relief.
- \* Adequate linkages to the existing CSE building .
- \* Congregational spaces such as seminar and meeting rooms provided with independent access and connectivity to the existing classrooms.
- \* Provision of indoor/ outdoor informal interaction spaces.
- \* Large span structure facilitating flexibility of use.
- \* Materials for facades sympathetic to the vocabulary of adjoining buildings.
- \* Building oriented North - South.
- \* Optimize glazing in work areas with sufficient daylight.
- \* Providing insulated glass to reduce heat gain.
- \* Use of earth air tunnel reducing the air-conditioning load .

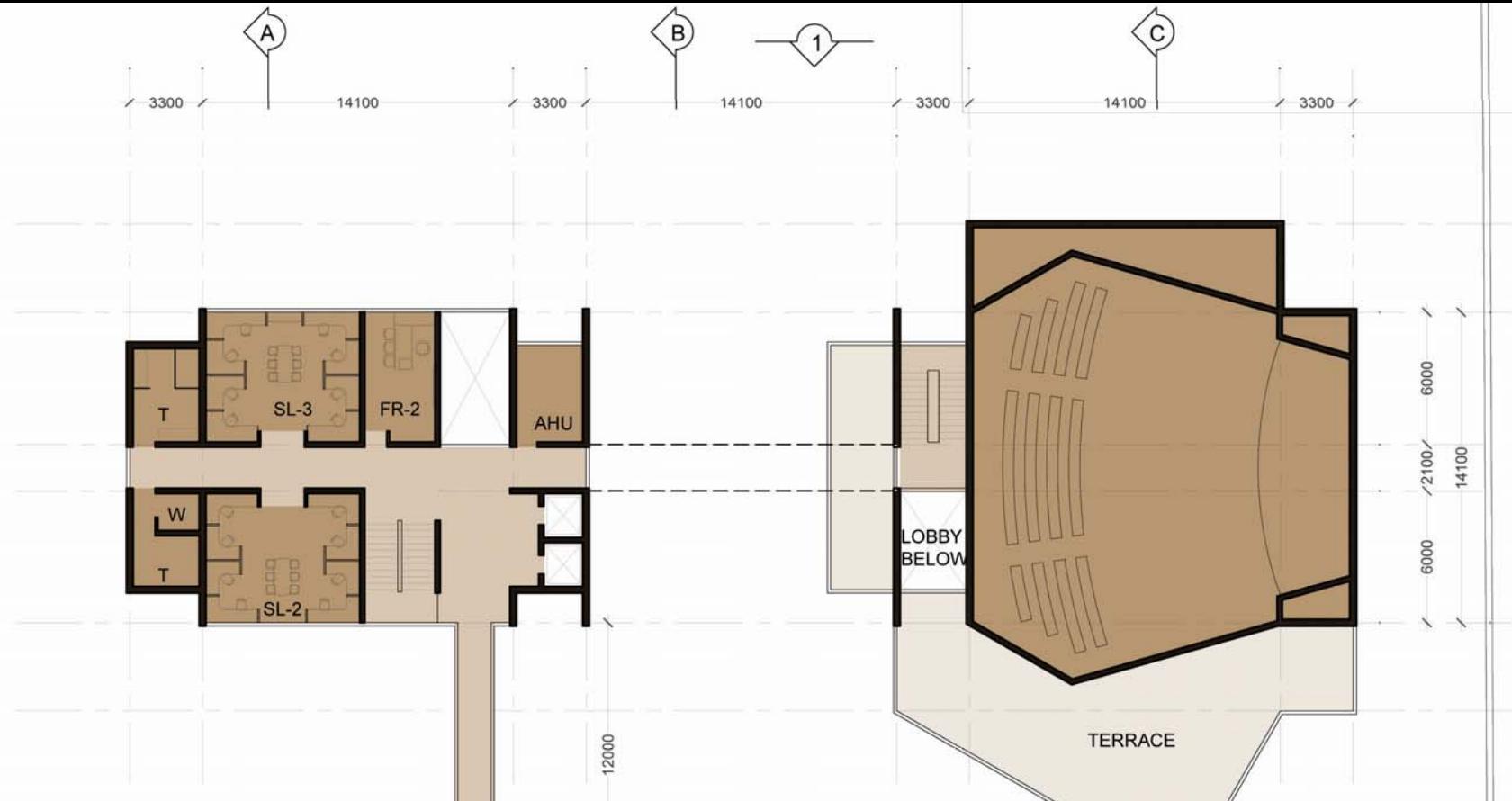
## DESIGN FEATURES

# RAJEEV MOTWANI BUILDING, IIT-KANPUR



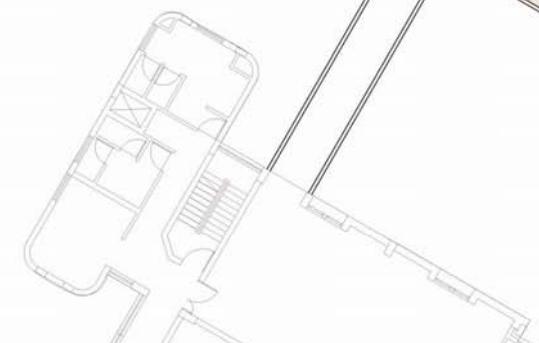
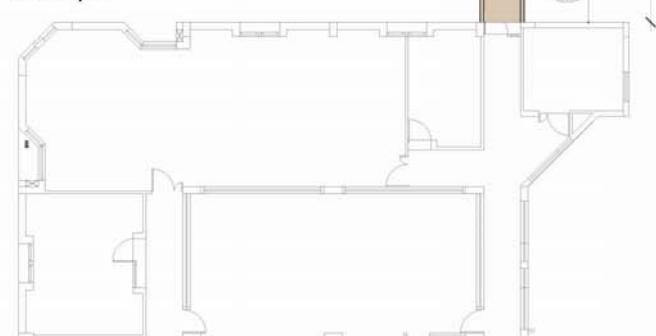
KANVINDE RAI & CHOWDHURY

# RAJEEV MOTWANI BUILDING, IIT-KANPUR



FIRST FLOOR PLAN

285 sqm



KANVINDE RAI & CHOWDHURY

# RAJEEV MOTWANI BUILDING, IIT-KANPUR



KANVINDE RAI & CHOWDHURY

# RAJEEV MOTWANI BUILDING, IIT-KANPUR



THIRD FLOOR PLAN  
670 sqm



KANVINDE RAI & CHOWDHURY

# RAJEEV MOTWANI BUILDING , IIT-KANPUR

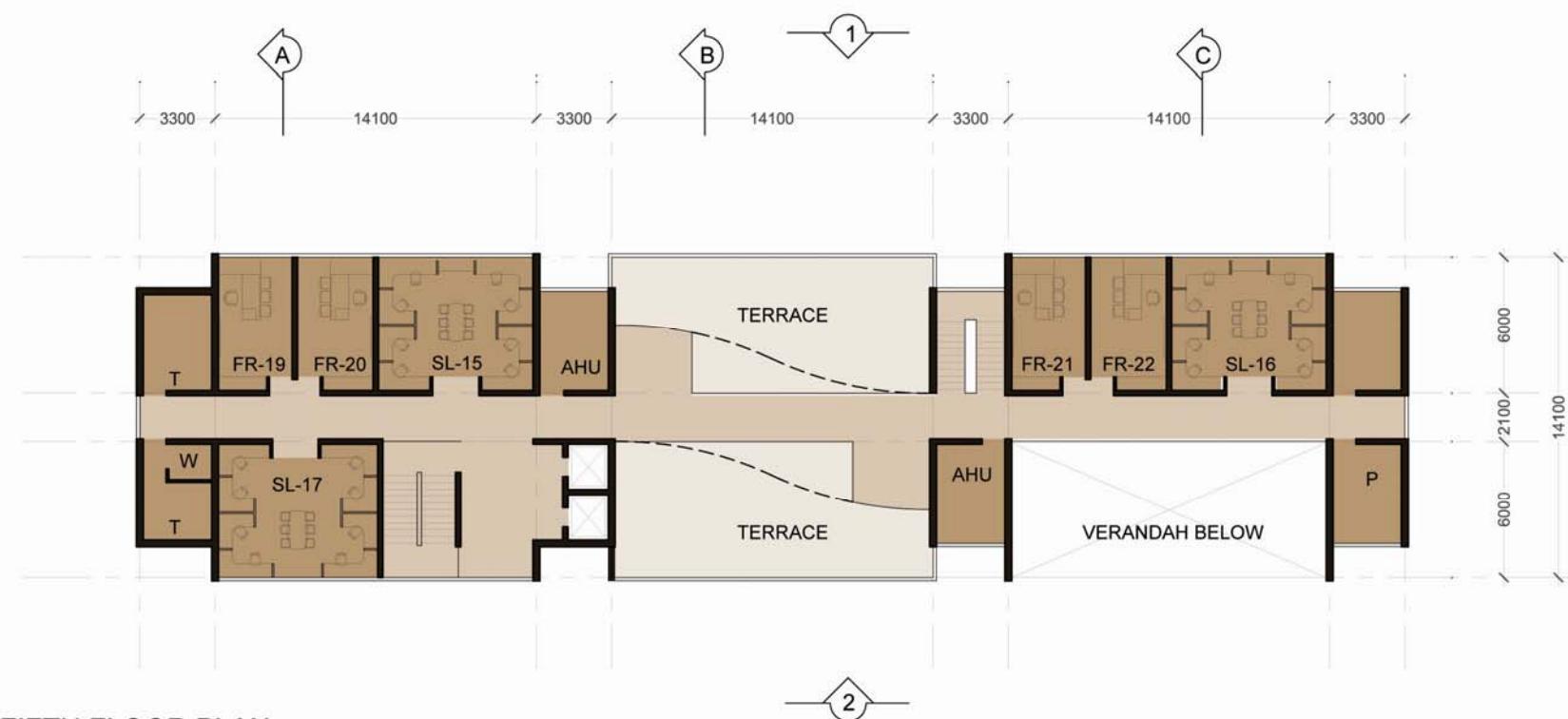


FOURTH FLOOR PLAN

585 sqm



# RAJEEV MOTWANI BUILDING , IIT-KANPUR

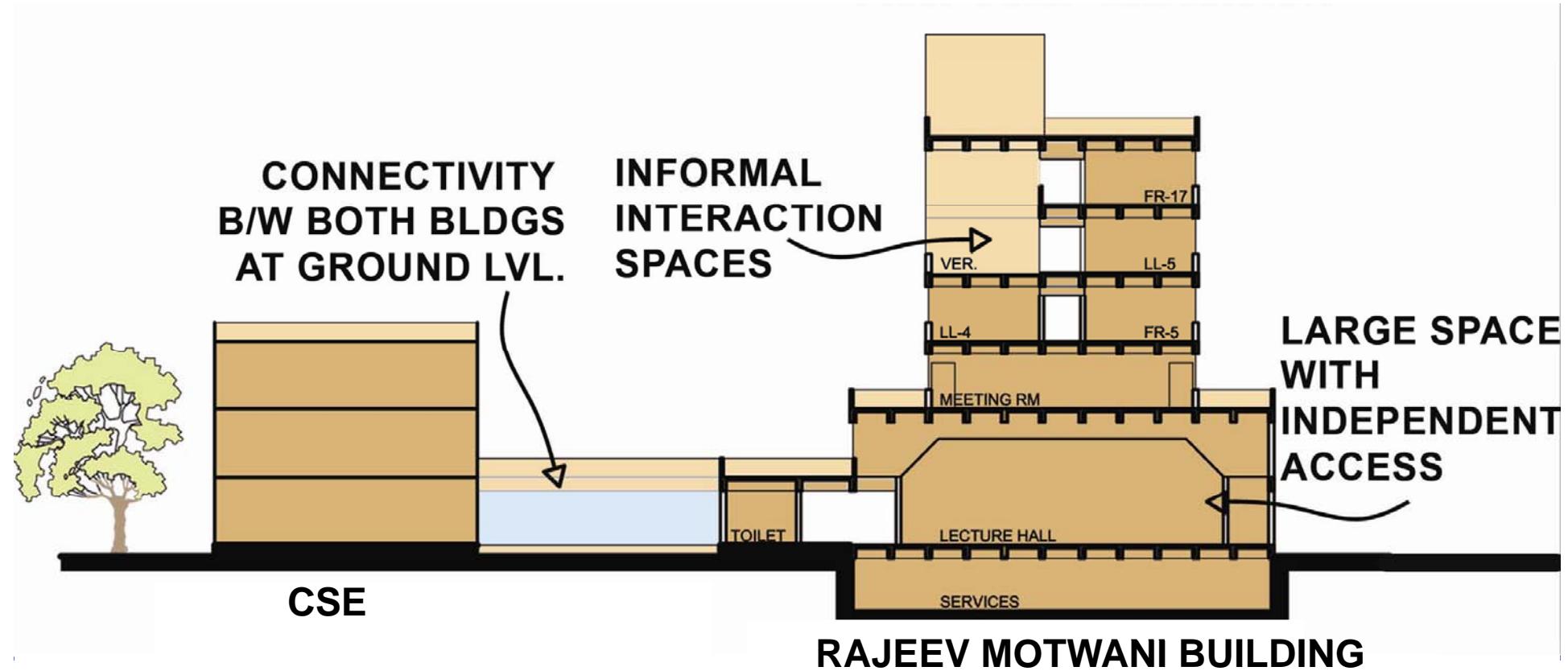


FIFTH FLOOR PLAN  
510 sqm



KANVINDE RAI & CHOWDHURY

# RAJEEV MOTWANI BUILDING, IIT-KANPUR



SECTION C - C

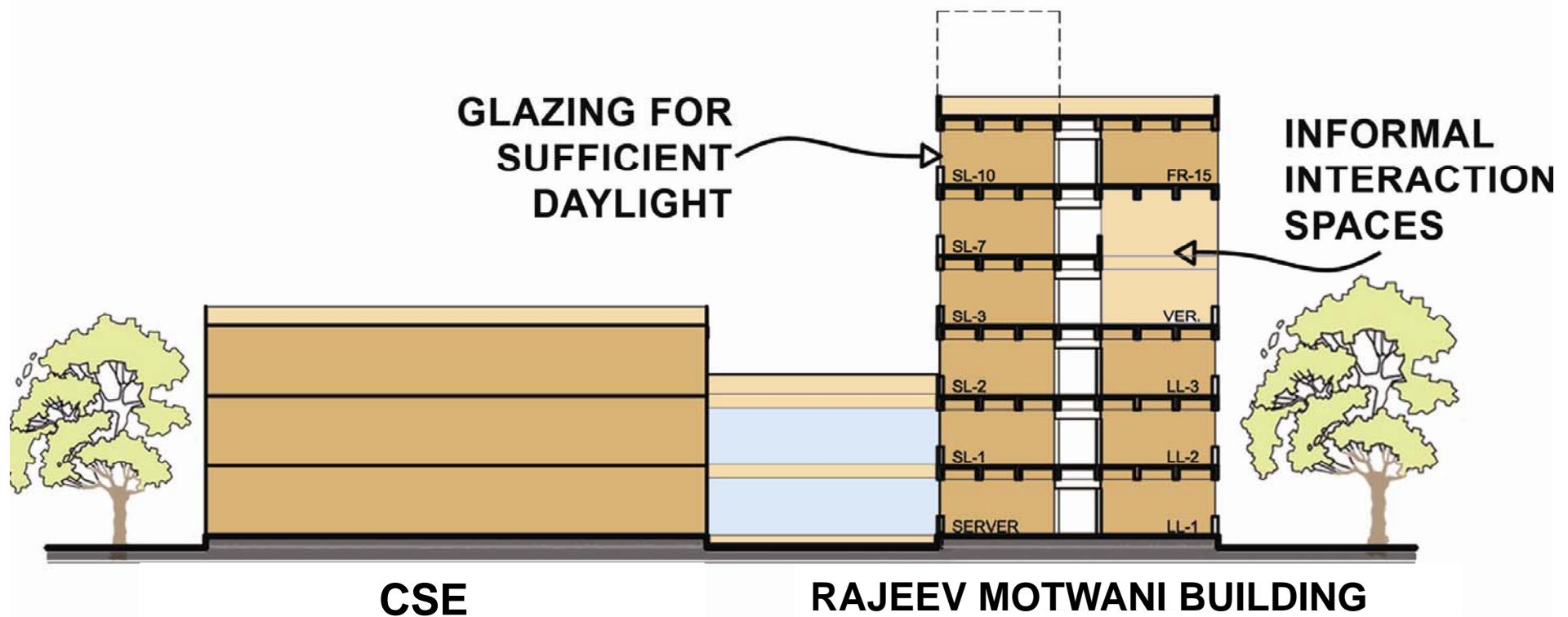
KANVINDE RAI & CHOWDHURY

# RAJEEV MOTWANI BUILDING, IIT-KANPUR



KANVINDE RAI & CHOWDHURY

# RAJEEV MOTWANI BUILDING , IIT-KANPUR



SECTION A - A

KANVINDE RAI & CHOWDHURY

# RAJEEV MOTWANI BUILDING, IIT-KANPUR



KANVINDE RAI & CHOWDHURY

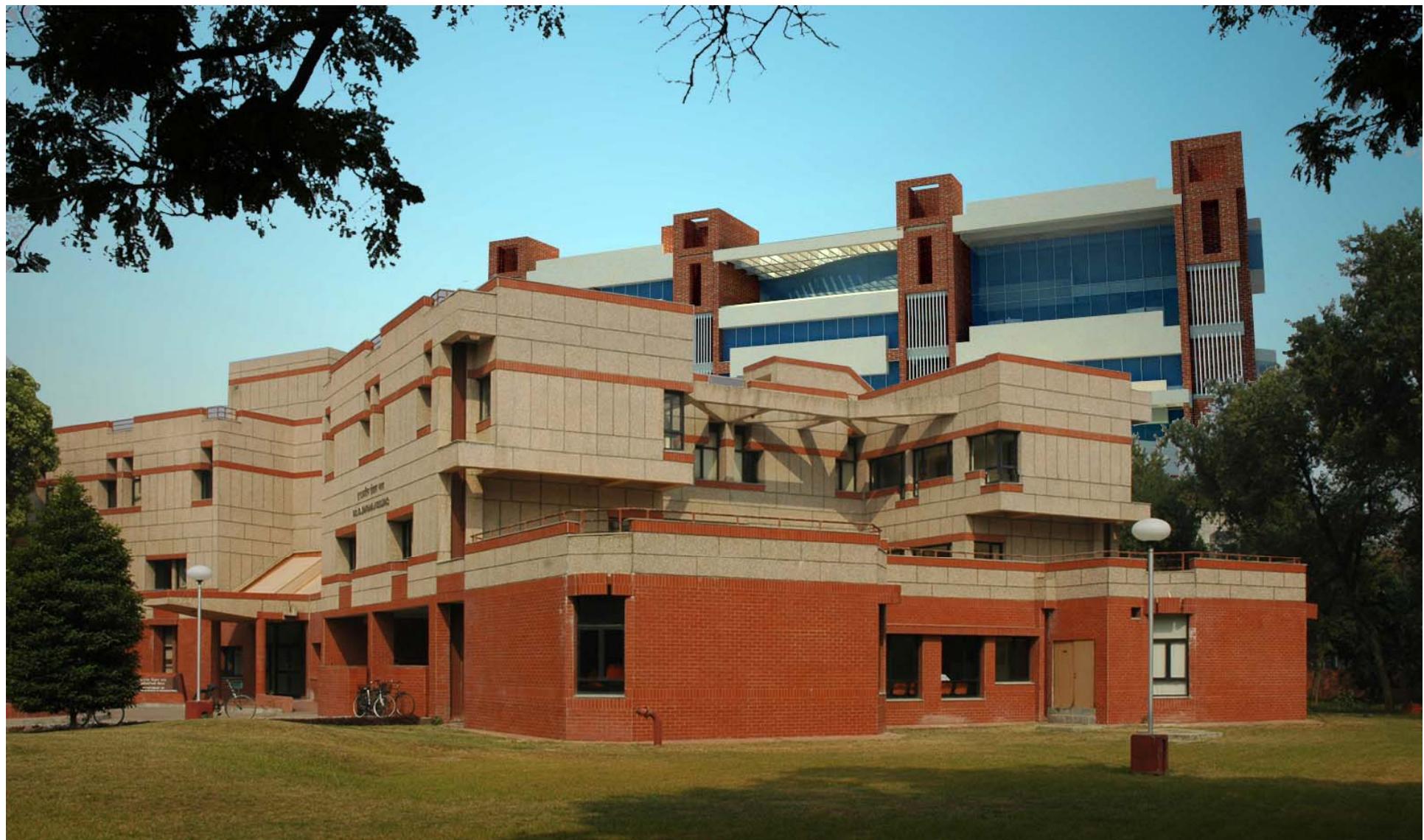
## RAJEEV MOTWANI BUILDING , IIT-KANPUR

1. Lecture hall of capacity for 200	Ground Floor -	850 sqm
2. Meeting Room for 40 people	First Floor -	285 sqm
3. Faculty Office 200 sq.ft - 22 nos.	Second Floor -	590 sqm
4. Small Labs - 8 seats - 17 nos.	Third Floor -	670 sqm
5. Interactive Waiting Spaces.	Fourth Floor -	585 sqm
6. Room for printer/ UPS/ lab staff.	Fifth Floor -	510 sqm
7. Server Room - 500 sq.ft	Total Area-	3490 sqm
8. Store	Basement -	165 sqm
9. Rest Rooms		(Area does not include verandah & stilted areas)
10. Cycle Stand for 170 cycles		

## AREA STATEMENT

KANVINDE RAI & CHOWDHURY

## RAJEEV MOTWANI BUILDING, IIT-KANPUR



KANVINDE RAI & CHOWDHURY

# RAJEEV MOTWANI BUILDING, IIT-KANPUR



KANVINDE RAI & CHOWDHURY

# RAJEEV MOTWANI BUILDING, IIT-KANPUR



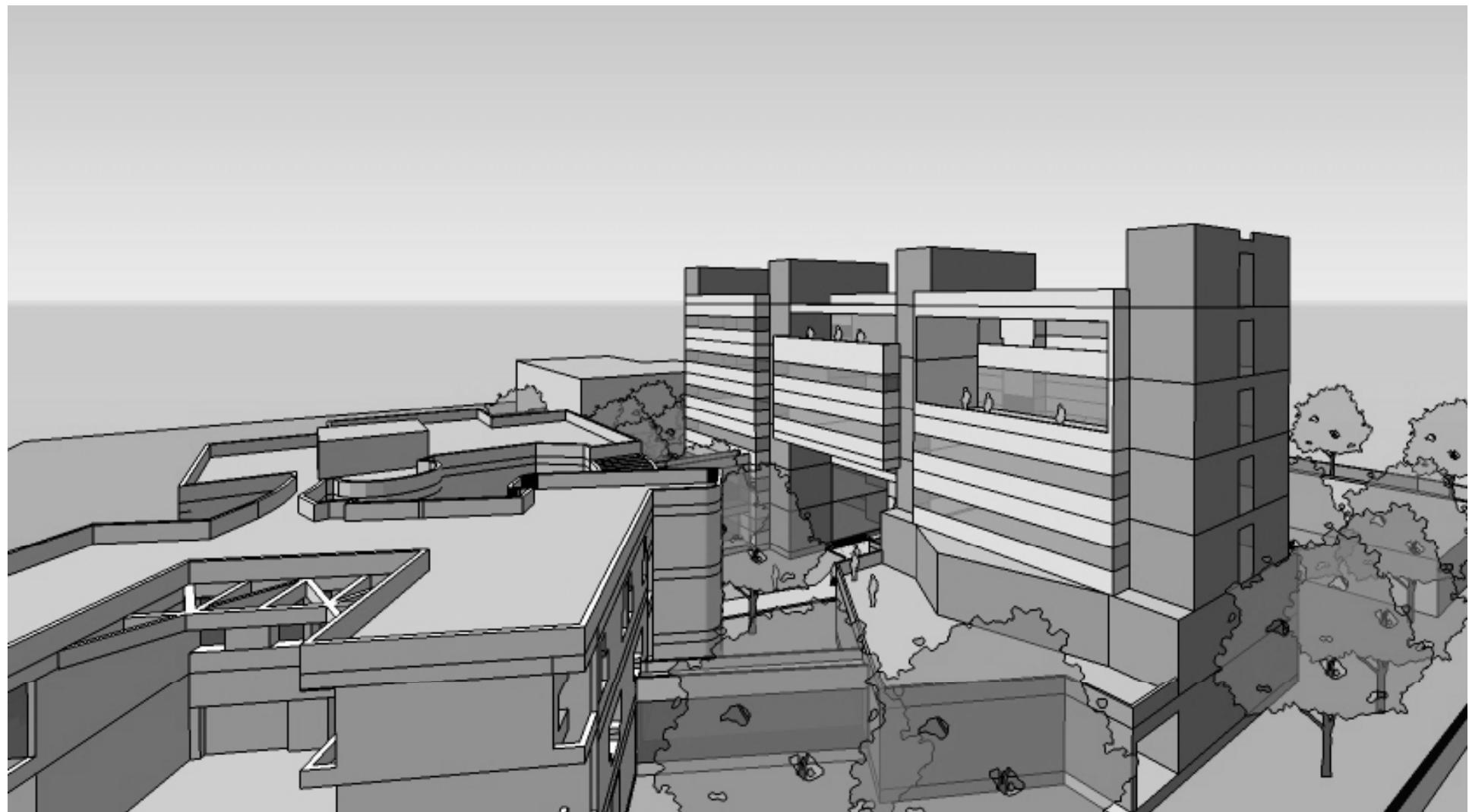
KANVINDE RAI & CHOWDHURY

# RAJEEV MOTWANI BUILDING , IIT-KANPUR



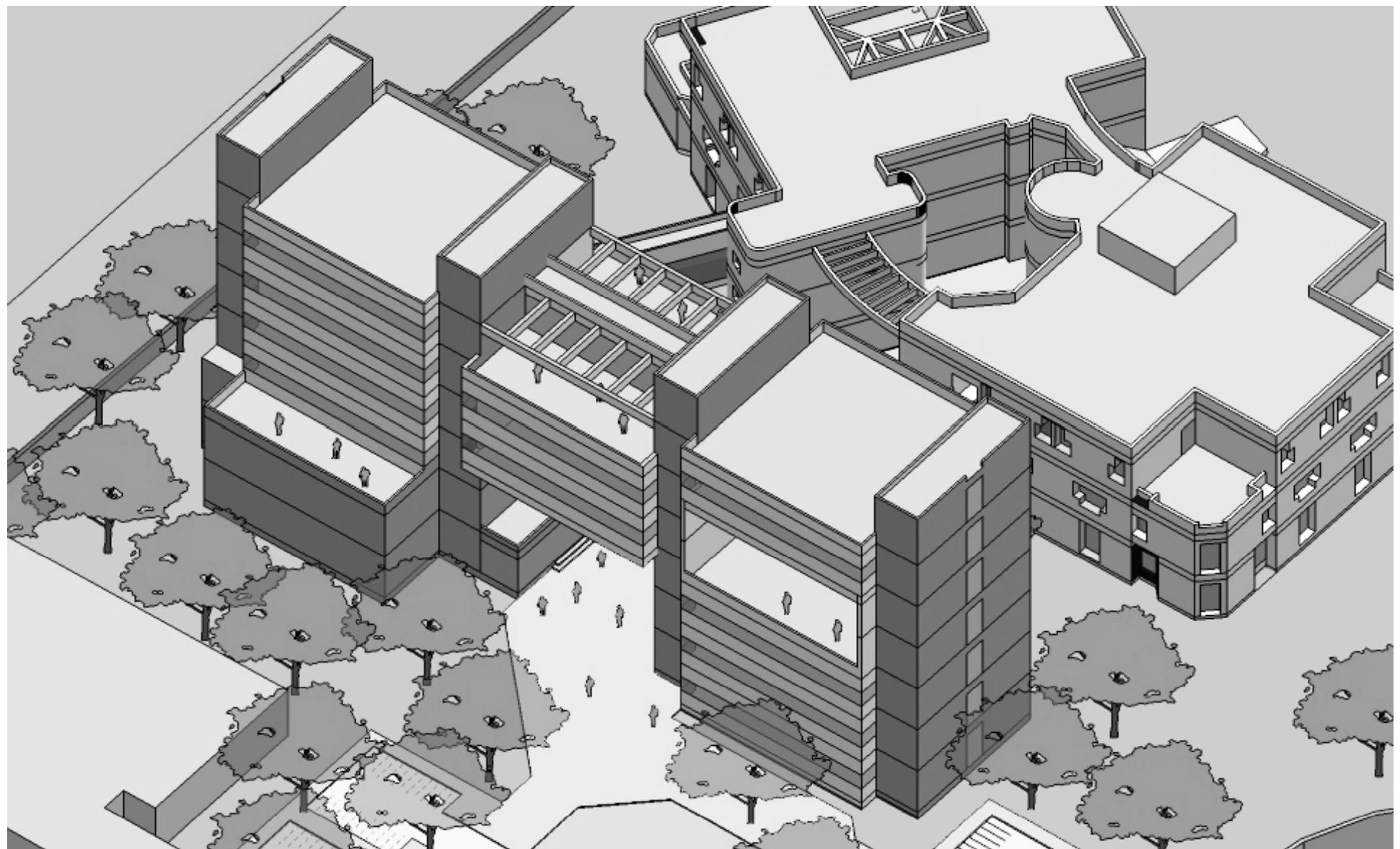
KANVINDE RAI & CHOWDHURY

# RAJEEV MOTWANI BUILDING, IIT-KANPUR



KANVINDE RAI & CHOWDHURY

# RAJEEV MOTWANI BUILDING, IIT-KANPUR



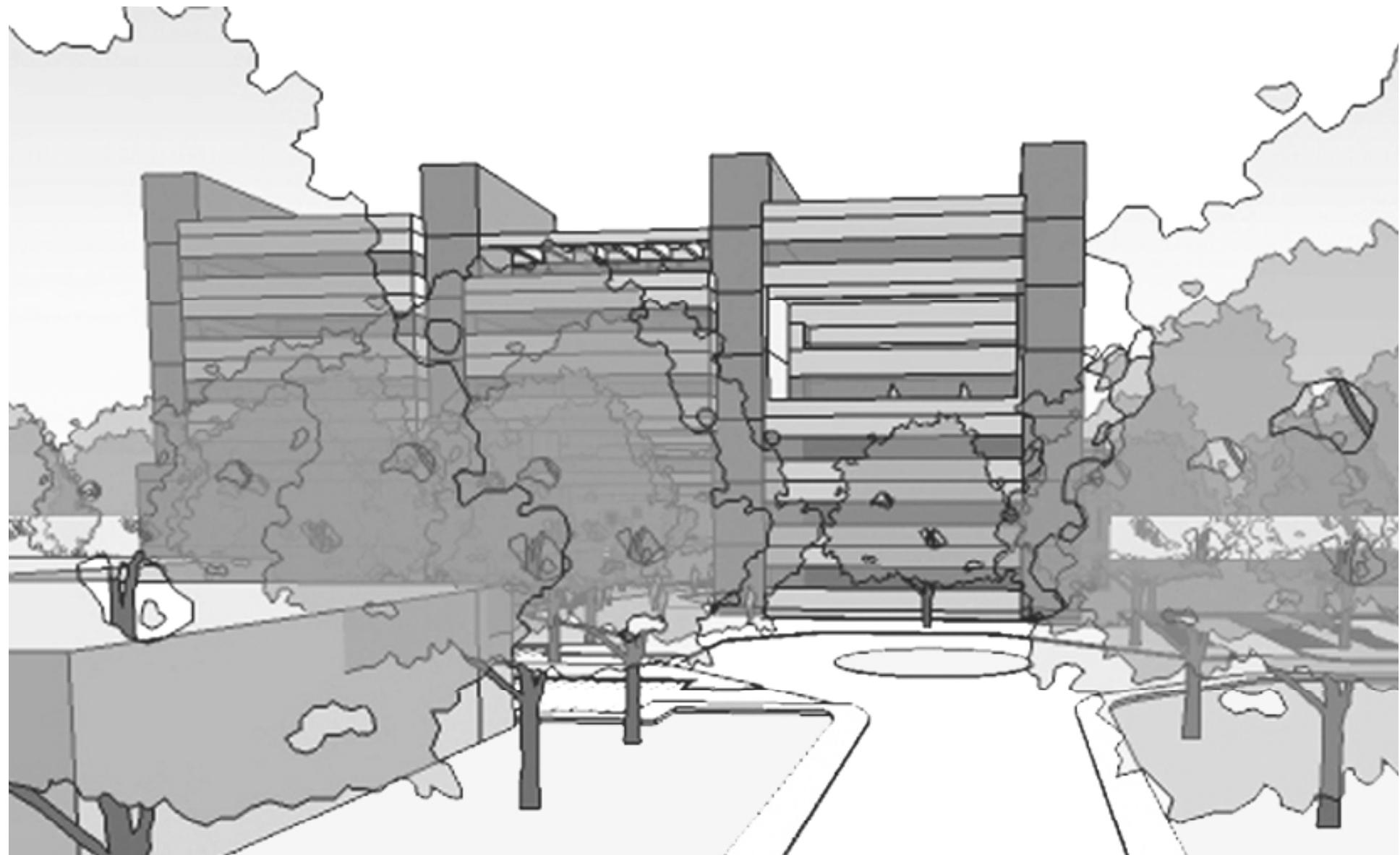
KANVINDE RAI & CHOWDHURY

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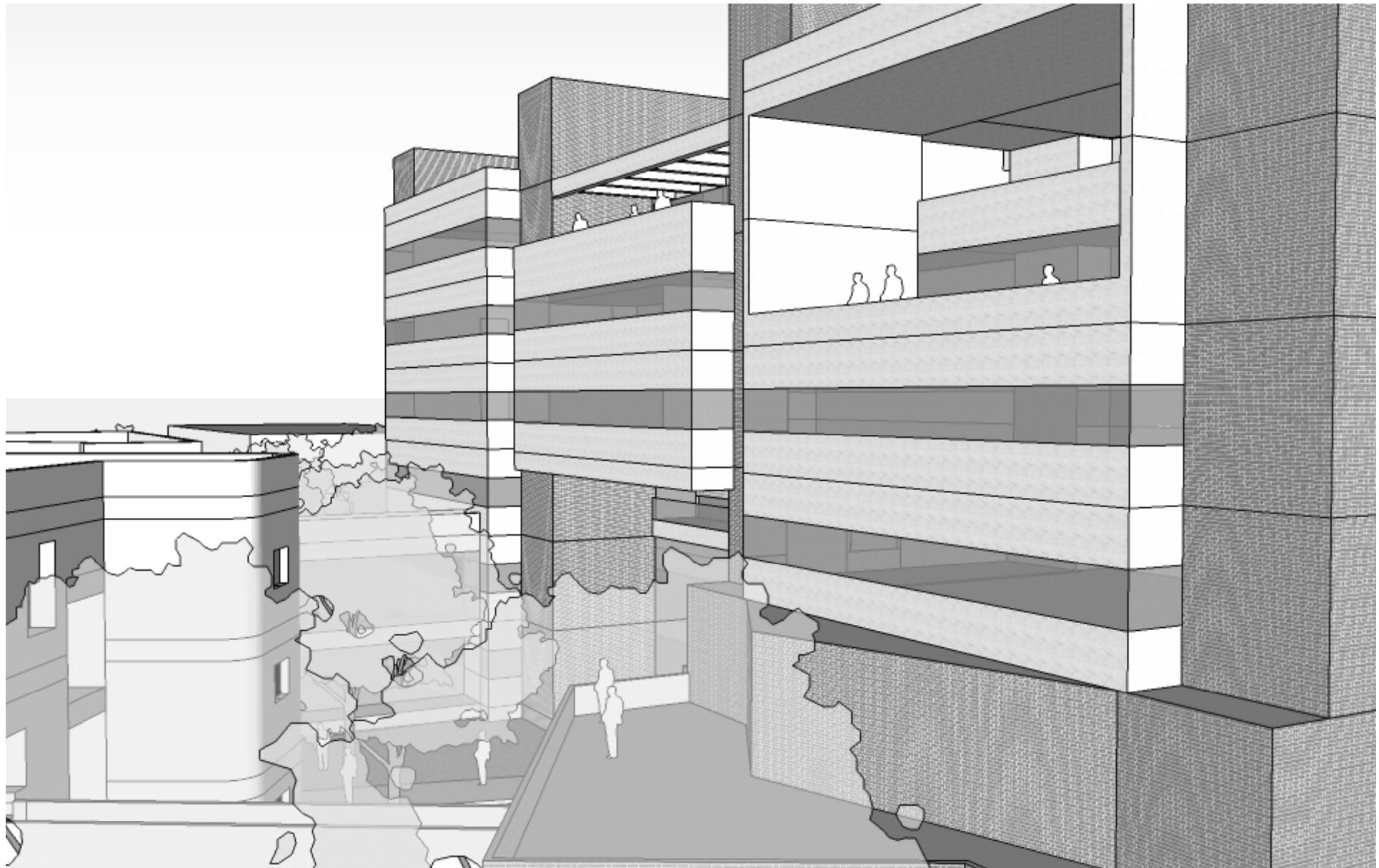
KANVINDE RAI & CHOWDHURY

# RAJEEV MOTWANI BUILDING, IIT-KANPUR



KANVINDE RAI & CHOWDHURY

# RAJEEV MOTWANI BUILDING, IIT-KANPUR



KANVINDE RAI & CHOWDHURY

RAJEEV MOTWANI BUILDING , IIT-KANPUR

THANK YOU

KANVINDE RAI & CHOWDHURY