RAJEEV MOTWANI BUILDING, IIT-KANPUR

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
* 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.
ADAPTABILITY OF MODULE TO DIFFERENT USE

KANVINDE RAI & CHOWDHURY
SMALL LAB

KANVINDE RAI & CHOWDHURY
**RAJEEV MOTWANI BUILDING, IIT-KANPUR**

* 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**

**KANVINDE RAI & CHOWDHURY**
CONNECTIVITY B/W BOTH BLDGS AT GROUND LVL.

INFORMAL INTERACTION SPACES

LARGE SPACE WITH INDEPENDENT ACCESS

SECTION C - C

KANVINDE RAI & CHOWDHURY
GLAZING FOR SUFFICIENT DAYLIGHT

INFORMAL INTERACTION SPACES

CSE

RAJEEV MOTWANI BUILDING

SECTION A - A

KANVINDE RAI & CHOWDHURY
1. Lecture hall of capacity for 200
2. Meeting Room for 40 people
3. Faculty Office 200 sq.ft - 22 nos.
4. Small Labs - 8 seats - 17 nos.
5. Interactive Waiting Spaces.
6. Room for printer/ UPS/ lab staff.
7. Server Room - 500 sq.ft
8. Store
9. Rest Rooms
10. Cycle Stand for 170 cycles

<table>
<thead>
<tr>
<th>Floor</th>
<th>Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground Floor</td>
<td>850 sqm</td>
</tr>
<tr>
<td>First Floor</td>
<td>285 sqm</td>
</tr>
<tr>
<td>Second Floor</td>
<td>590 sqm</td>
</tr>
<tr>
<td>Third Floor</td>
<td>670 sqm</td>
</tr>
<tr>
<td>Fourth Floor</td>
<td>585 sqm</td>
</tr>
<tr>
<td>Fifth Floor</td>
<td>510 sqm</td>
</tr>
</tbody>
</table>

Total Area - 3490 sqm
Basement - 165 sqm

(Area does not include verandah & stilted areas)
THANK YOU