

# Institute of Design Environment and Architecture - Architecture Department

## Course Content Semester 8

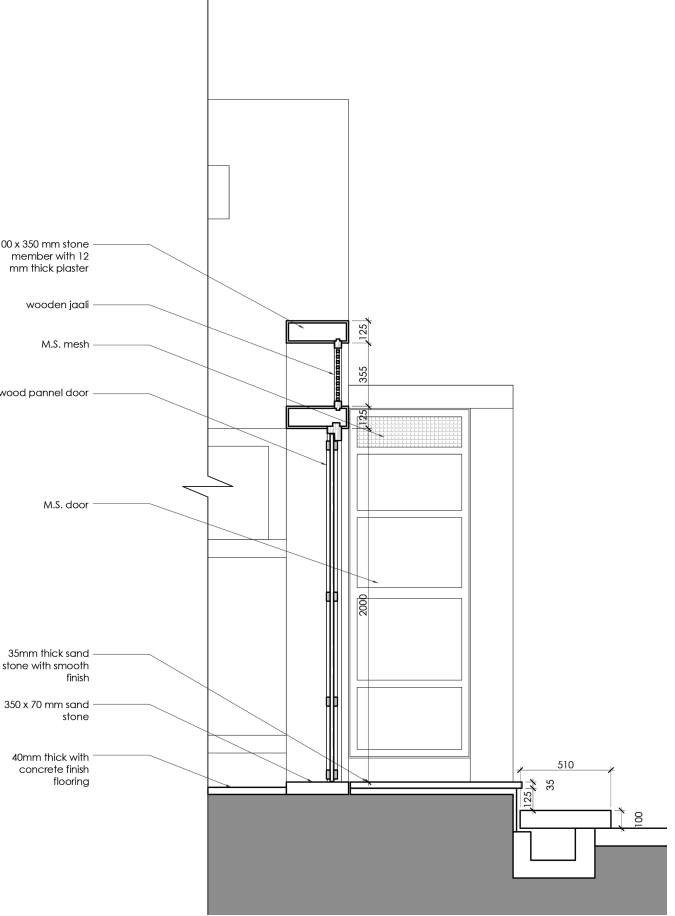
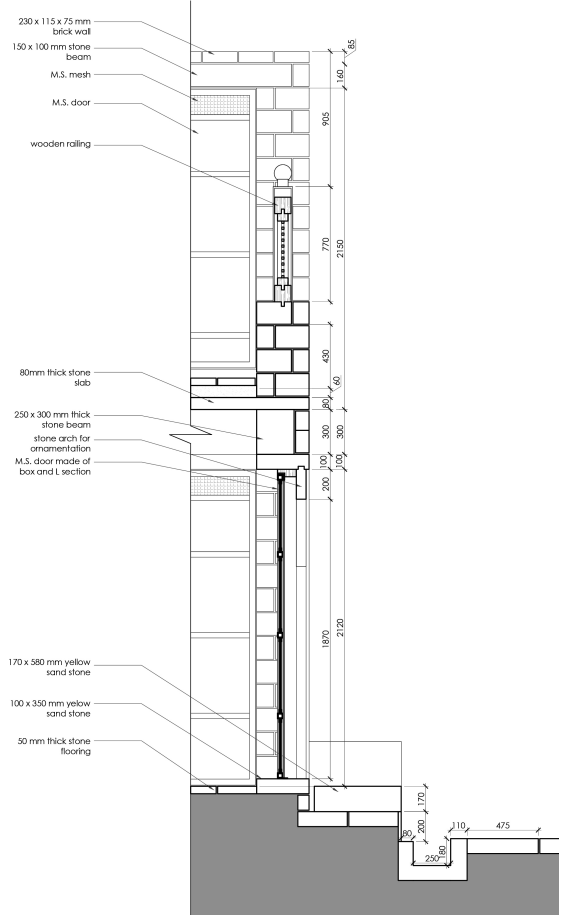
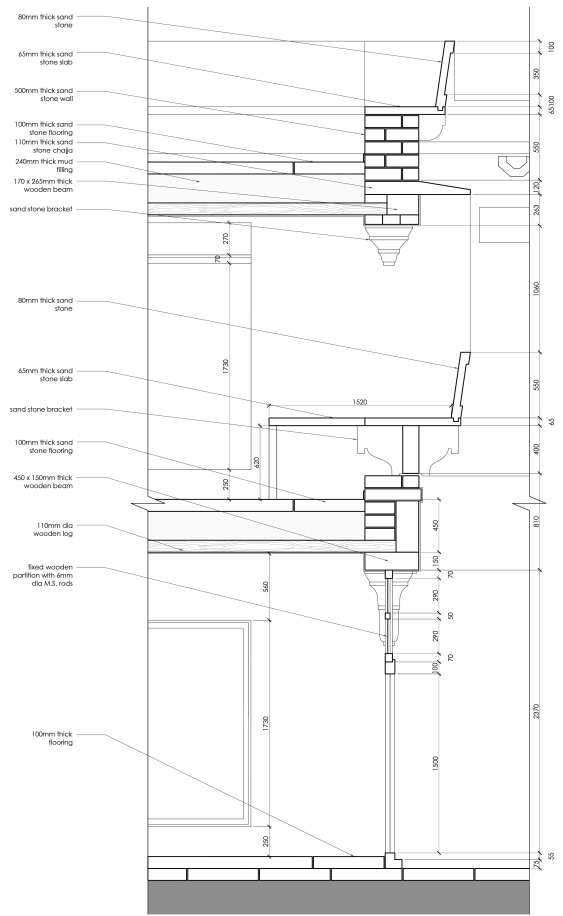
### Technical Module 8

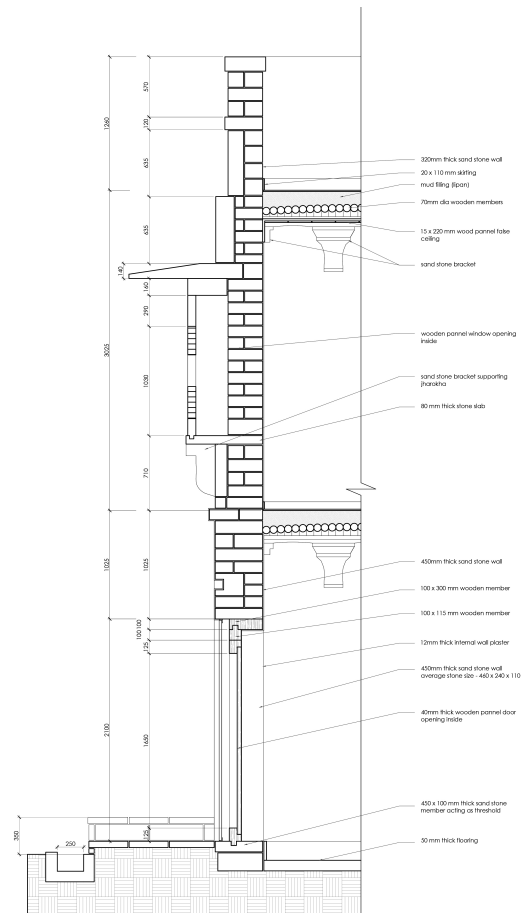
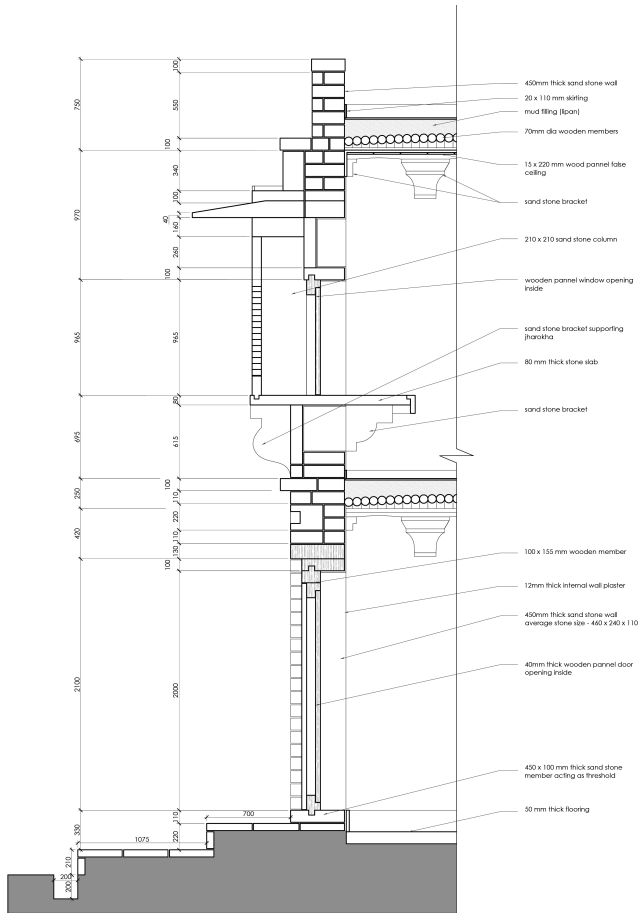
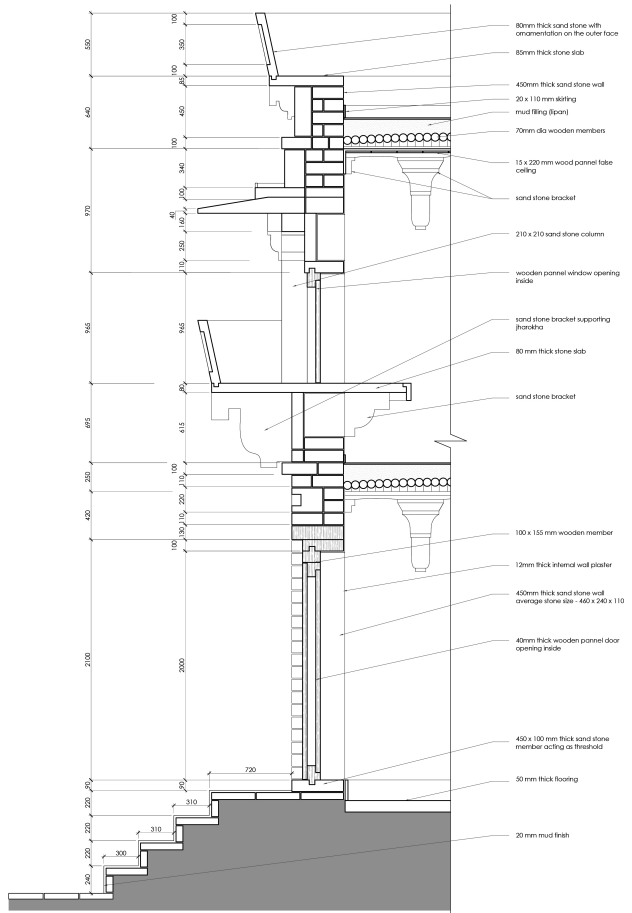
The following subjects were covered as part of the Technical Module 8:

1. Building Construction
2. Advanced Services
3. Advanced structural design and systems
4. Professional Practice

Building Construction:

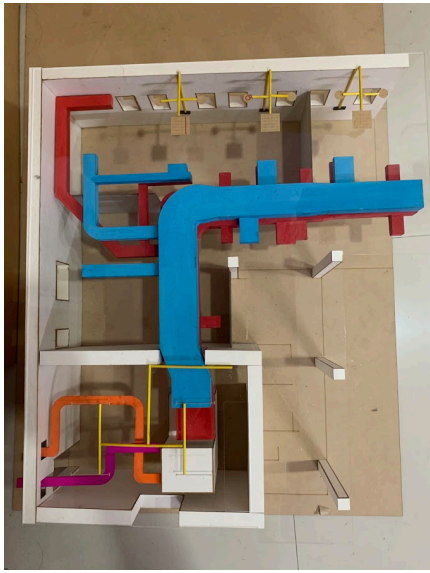
All students needed to study material details and different construction techniques of the house typologies of Jaisalmer city that they documented in Skill Module 8. They later constructed wall sections and part details of the different house typologies.





## Building Services:

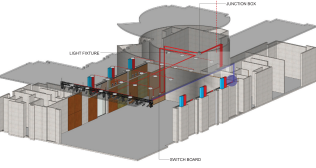
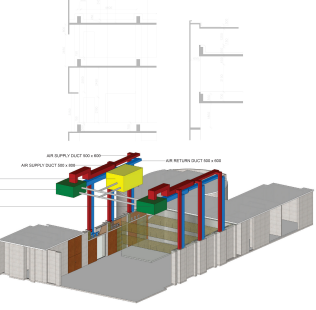
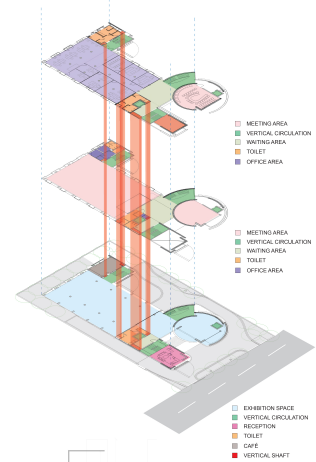
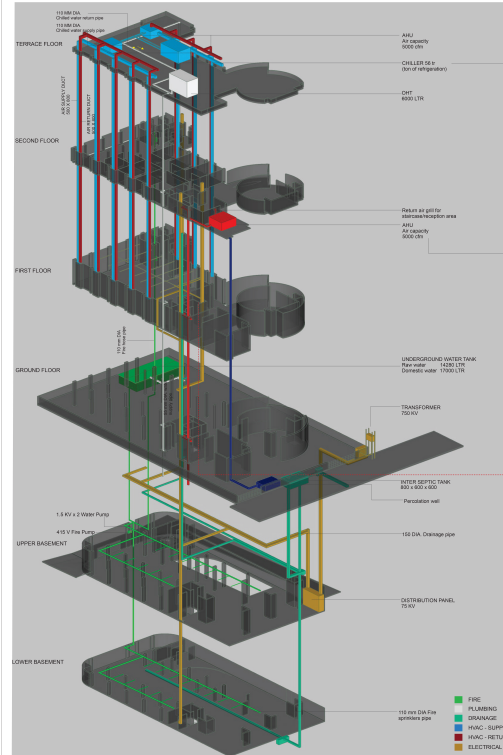
The students needed to take one building (a hospital, a club, etc.) as a case study. They then tried to understand the MEPF drawings of the building and made a detailed part model (either digital or physical) in groups of two.





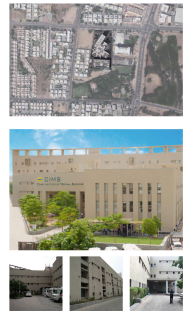
**GIHED CREDAI**  
corporate organization

- THE EXPOSED CONCRETE BUILDING
- NORTH-SOUTH ORIENTED
- VERTICAL SHAFT ON 3 PERIPHERAL WALL
- GOLD RATED GREEN BUILDING

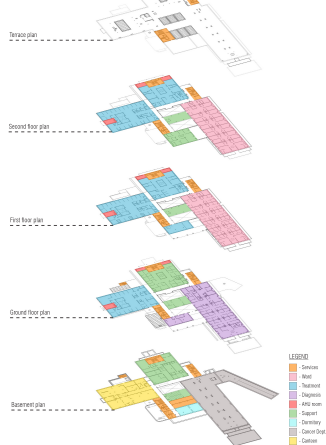




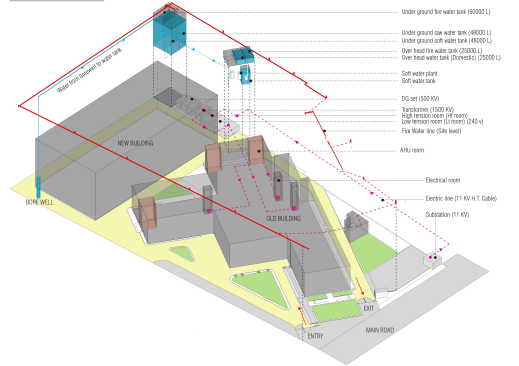
### CIMS HOSPITAL (OLD), AHMEDABAD.



### ZONING



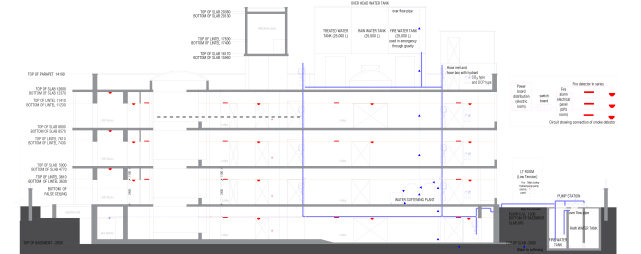
### SITE PLAN WITH SERVICES



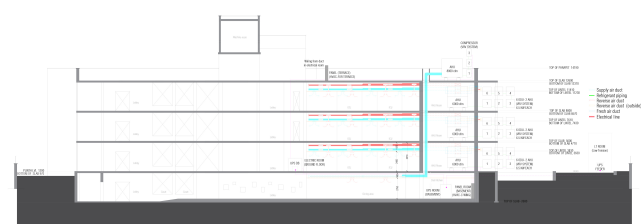
### SECTION OF ELECTRICAL SYSTEM



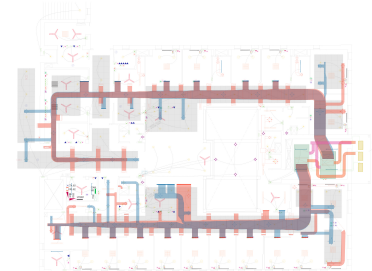
### SECTION OF FIRE SYSTEM



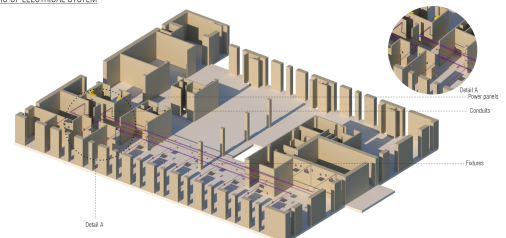
### SECTION OF HVAC SYSTEM



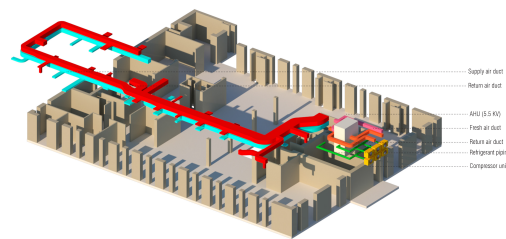
### SUB-COORDINATED SYSTEM PLAN - I.C.U



### ISOMETRIC OF ELECTRICAL SYSTEM



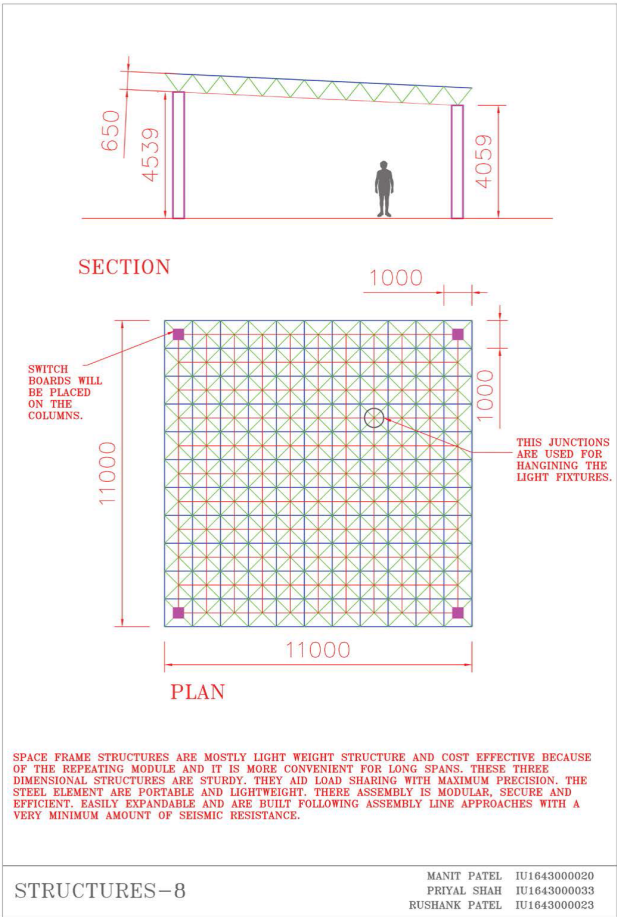
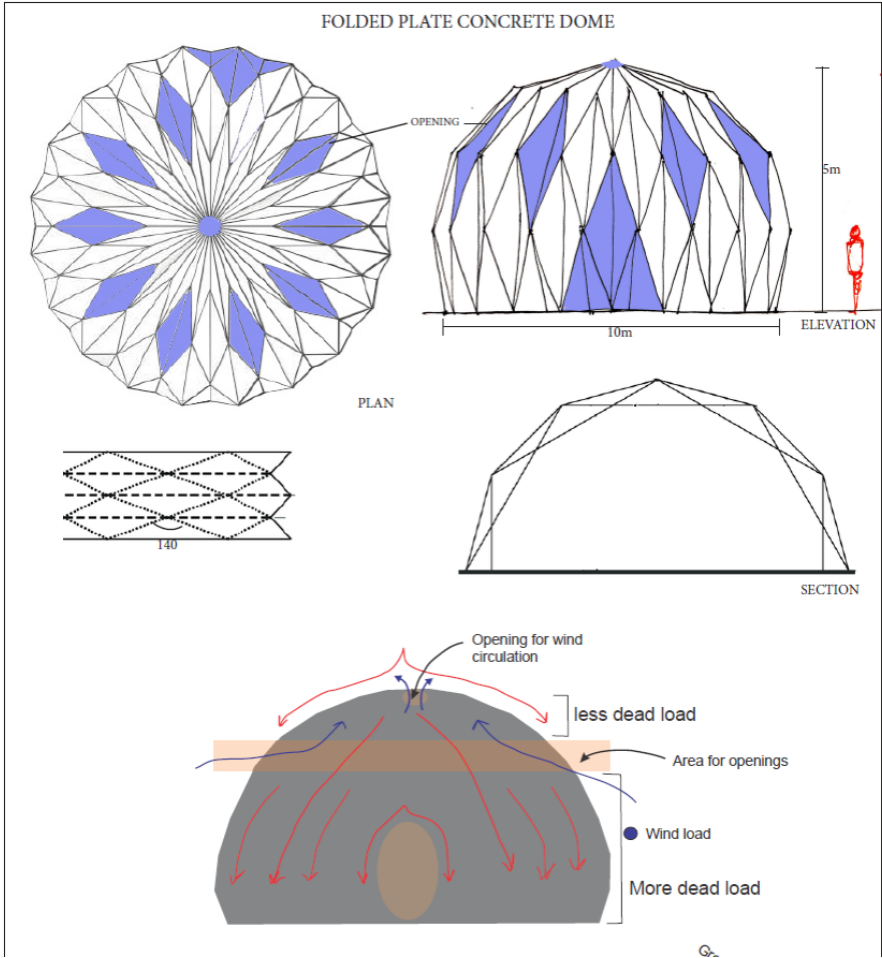
### ISOMETRIC OF HVAC SYSTEM



Structures:

Complex Structures

The students had to design a structure with 10 x 10 m clear span using different techniques.



## Professional Practice:

All students needed to collate data regarding individual offices (where they did their office training) for their respective case studies. The following information needed to be collected:

- Name of office
- No of team members, their age and their qualification
- Date of establishment of office
- Academic associations of the office team

Name of the Student	Name of the Office	No. Of Partners/team members	Qualifications of Partners/team members	Age group	Location of the office	Academic associations of the office team
---------------------	--------------------	------------------------------	---	-----------	------------------------	--

Sanjana Nanvati	Saptak Patel Architects	13 (5 Males, 8 Females)	Saptak Patel - B.arch	42	Ahmedabad, Gujarat	Cept University ( Guest Juror)
			Harsh - b.arch	24		
			Heti- b.arch	25		
			Saival - b.arch	23		
			Garima - b.arch	23		
			Sreelakshmi - b.arch	23		
			Interns- Jaimini - 4th year	21		
			Heet - 4th year	21		
			Rahul - 5th year	22		
			Hanzala - 5th year	23		
			Nansy - 4th year	21		
			Jaswinder - 4th year	21		
Maitri Kanakiya	Thumbimpressions collaborative	10(7 Male, 3 Female)	Nikhil Patel - B.arch	35	Surat, Gujarat	CEPT, Indus, Nirma
			Milind Zaveri - B.arch	33		
			Sankalpa - B.arch	45		
			Manu Narendran - B.arch	34		
			Krupa - Interior Designer	23		

			Sparsh - Interior Designer	23		
			Vihar-B.arch	24		
			Manish-B.arch	28		
			Interns - Maitri - 4th year	21		
			Lilith - 5th Year	25		
Bhairavi Kikani	BPS Architects	4(1 Male, 3 Female)	Parth Shah - M.arch	47-48	Rajkot, Gujarat	Indus, IPSA, Guest Juror
			Brinda Shah - M.arch	44-45		IPSA, Guest Juror
			Shruti Singh - B.arch	24		
			Sweta Vadher - B.arch	22		