



ARCH 3691
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Advanced Design and Building Information Modeling February

Your Name:	Anil K. Dipu
Name of Project:	Living Light, Team Tennessee
Preference:	“Light Performance”
Use of Passive Solar Strategies	
Solar Passive Strategies used in this house are: Ventilation in between glazing and roof members, Direct light Control with Blinds, Reduces wind load with structural members and Transparency with glazing with long span of glass. Also there is use of preheated cool air and reduction in humidity.	
Use of Sustainable strategies-	
Several sustainable strategies are reduction in Wind load, Energy conservation and reduction in glare. The house also gathers surrounding heat and uses water tank with cooling and dehumidifier devices. There is temperature control and energy monitoring.	
Use of Technology	
Sustainable innovation and use of technology include Motorized blinds, Water Tanks and with devices to heat and cool air, photovoltaic system, double façade system while venting and reducing wind load, LED lighting use, and Monitors Energy usage with IPAD control.	



Use of materials

The material of wood, concrete, glass, steel, and other materials were used.

Photovoltaic strategy

Solar paneling is used to produce maximum energy and usage. The system saves cost from Con Ed and provides the self-convenience for efficient use of electricity throughout the house.

What strategy would you copy? What is the greatest strength?

The use of Motorized louvers and water Tank usage is quite interesting to use. Their greatest strength would be the amount of Sunlight gain, wind load control, and Smart appliance use/monitoring with glazing.

What is the greatest weakness of the entry? What would you avoid?

The greatest weakness is that the level of performance by the judges' critique was on average.

Additional comments?

I admire the use of LED Lighting.