

# GREEN BUILDING FOR UPGRATED INTEGRATED ARCHITECTURAL ESTABLISHMENT AND LANDSCAPE PLANNING

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**ABSTRACT** Through this effort we would like to focus specially on the comfort facilitating enlightened new design with the refreshment of mind and body through the new design in terms of green building.

Some of the other concerns about my effort at this point would be like the following ones: how to facilitate socializing by building auditorium for community gathering or socializing and arranging other seminar rooms, how to build competitive structural design for accommodating increasing number of people, how to utilize farmlands and gardens for environmental friendliness as well as for beautification, and how to establish green flourishing high-rise structure for the healthy efficient building.

At this point, I would also like to focus on how to fight global warming with design in terms of energy efficient and sustainable green building and urban planning as well as much emphasize should be given on energy efficiency like preserving as well as using minimum possible amount of energy like light, gas, and water supply structure with superior design, where we would try to add one or more extra feature for that purpose if needed sufficiently.

“Global warming, rising energy costs, the growing awareness and liability costs associated with “Sick Building Syndrome”, declining oil reserves, and concerns about limited energy and water supply are among the major issues that have been discussed all over the world and contributed to the rise of green buildings. However, the myth that green buildings are expensive has set the boundary on the adaptation of green buildings in the region.” (Source: email acquired from the e-mail sent by [Emma@confexhub.com](mailto:Emma@confexhub.com))

Another aspect of my designs is dynamism in the design and the design for the urban as well as for rural areas that are under development and their structures, where in terms of the good designs we would like to focus on the educational as well as the cultural improvements, for example, how to facilitate the females for covering them in a hygienic way with a competitive sustainable and suitable design.

**Keywords:** green building, sustainable building, energy efficiency

## INTRODUCTION

The green building, sustainable building, energy efficient building are some important areas that need to be focused on. For the comfort and adaptation facilities with the weather changes during different periods of time a good architectural design needs to be provided. The physical planning as well as the social planning need to be considered for a good design, which may include here the good architectural and landscape architectural design as well as urban planning with a long term vision for sustainability, environmental friend-lines, and energy efficiency; therefore, prioritizing the major human needs and rights as well as taking care of the rest of the part of this world's resources while coping with the environment are meant to be the major focuses of the architectural side and urban planning as well as landscape architecture design during these days.

Some of the areas that I worked at in developing good architectural designs are these ones:

- General Hospital
- Housing
- Museum
- University
- High-rise buildings
- Bus station
- Cottage (Light and Sound of Mountain), etc.

- ✚ Exhibition room
- ✚ Play ground and stadium
- ✚ Recreation Room
- ✚ Prayer Room
- ✚ Club and Community Room
- ✚ Auditorium
- ✚ Rest Room
- ✚ Washroom

Under the General Hospital category, I have designed several areas of work and operation, like the following ones:

- ✚ Vertical and Horizontal Circulation (Elevators and stairs)
- ✚ OPD
- ✚ Radiology
- ✚ Emergency
- ✚ Washrooms
- ✚ OT (Operation Theatre)
- ✚ ICU
- ✚ CCU
- ✚ Administration
- ✚ Pathology
- ✚ Imaging
- ✚ Igynocology
- ✚ IPD
- ✚ Cafeteria
- ✚ Prayer Room
- ✚ Restaurant
- ✚ Doctors' restaurants
- ✚ Emergency Exit
- ✚ Main Entrance
- ✚ Reception
- ✚ Main Exist, etc.

Again, within the university category, I have designed several areas of work and operation, like the following ones:

- ✚ Seminar Room
- ✚ Class Room
- ✚ Office Room
- ✚ Cafeteria
- ✚ Library
- Seminar and Conference Room
- Horizontal and Vertical Circulation ( Stairs and Elevators)Emergency Exit
- Prayer room
- Washrooms

- ✚ University Hospital and first aid section
- ✚ Reception,
- ✚ Horizontal and Vertical Circulation ( Stairs and Elevators)
- ✚ Emergency Exist
- ✚ Main Entrance
- ✚ Main Exist etc.

Beside it, within the Museum category, I have designed several areas of work and operation, like the following ones:

- Auditorium
- Exhibition Room
- Washrooms
- Rest Rooms
- Cafeterias
- Store Rooms
- Prayer Room
- TV and Refreshment Rooms
- Emergency Exist,
- Horizontal and Vertical Circulation ( Stairs and Elevators)
- Emergency Exist
- Reception
- Main Entrance
- Main Exist, etc.

Again, within the High-rise building category, I have designed several areas of work and operation, like the following ones:

- Lobby
- Shopping mall
- Office
- Swimming Pool
- Theatre Room

Some of my ideas about the modern architectural as well as green building in terms of implementation and drawings could be stated like the following ones:

In addition to it, under the Bus station category, I have designed several areas of work and operation, like the following ones:

- Sitting arrangement for the passengers and guests
- Horizontal and Vertical Circulation (Stairs and Elevators)
- Cafeterias
- TV and Recreation Rooms
- Shops
- Space and arrangement for reading magazines and newspapers
- Washrooms
- Prayer Room
- Restaurant
- Rest Rooms,
- Emergency Exit, etc.

Besides, within the Cottage (Light and Sound of Mountain), I have designed several areas of work and operation, like the following ones:

- ✚ Multipurpose rooms
- ✚ Office rooms
- ✚ Seminar rooms
- ✚ Cottage
- ✚ Museum
- ✚ Exhibition rooms
- ✚ Library Rooms
- ✚ Vertical and Horizontal Circulation (Stairs and Elevators)
- ✚ Main Entrance and Main Exit
- ✚ Restaurants
- ✚ Washrooms

## SOME STRUCTURAL VIEWS OF SOME OF MY DESIGNS



Figure1: Group project; the modern dynamic design of a university



Figure2: Group project; the modern dynamic design of housing

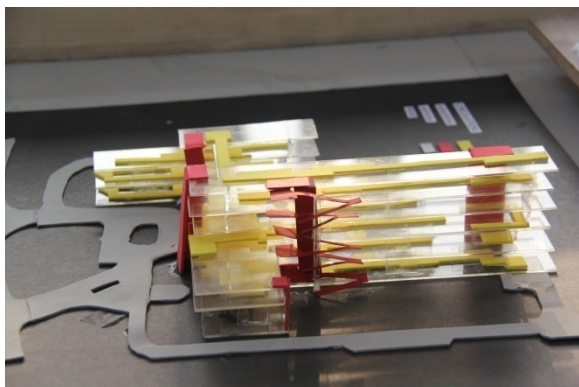


Figure3: Individual work; the vertical and horizontal circulation of a modern well facilitated hospital

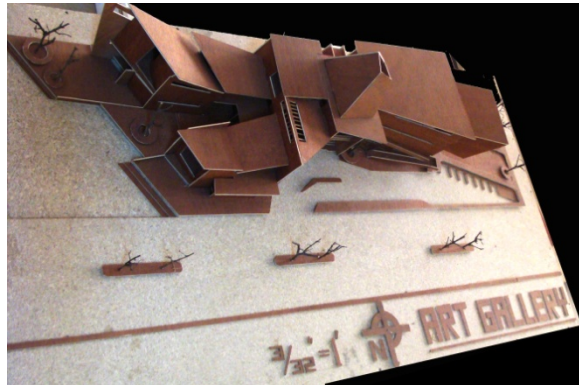


Figure4: Individual work; the art gallery or museum



Figure5: Individual work; the master plan of a hospital



Figure6: Individual work; the two adjacent buildings of a newly designed hospital's overview



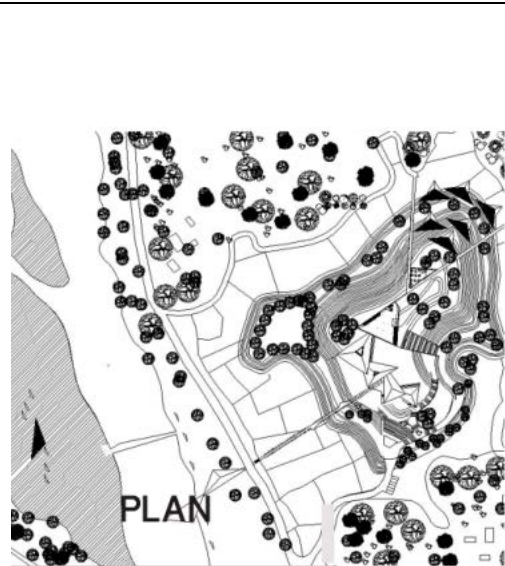


Figure7: Individual work; the master plan of the cottage design (the light and sound of mountain)

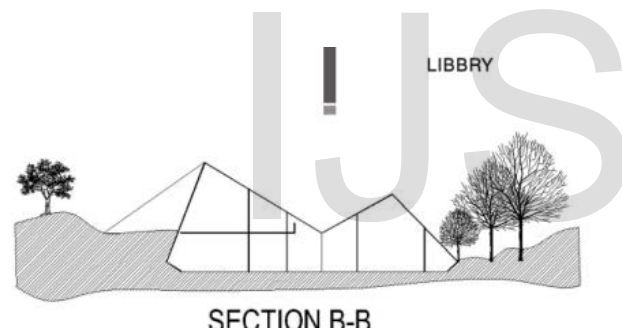


Figure8: Individual work; a part of the library section of the design of the cottage (the light and sound of mountain)

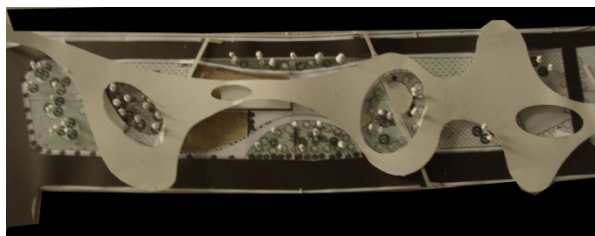


Figure9: Individual work; the design of a modern bus station

## CONCLUSION

The modern architectural design is aimed to accommodate the increasing number of people with a much healthier and dynamic environment to facilitate them with various comfortable but progressive activities along with the facilitation for the relaxation environment in a sufficient way. Throughout my career so far I have designed many structures that include modern hospital, bus station, housing, high-rise buildings, university, museum, cottage (the light and sound of mountain), etc; however, covering all my designs, I believe that the major focus of the modern architectural designs should be majorly dealt with the green building, sustainable building as well as the energy efficient building. Therefore, I am hoping for the best for my future designs to come out with much more advanced in a structural way as well as in terms of these above specified three major areas of my special interest.

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## BIOGRAPHY

Jannatul Firdaus is a graduate in Bachelor in Architecture from American International University of Bangladesh (AIUB). Since her childhood she has developed a desire to study in a developed country for her higher education so that she can get skilled knowledge in her area of interest within the study purpose and wanted to implement her learnt knowledge there, which is in that developed country in a dynamic way. Her learnt knowledge so far in the architectural sector that she gained in her home country Bangladesh, where she studied at one of the top ranked universities is well accepted in her country according to the expected standard; therefore, she wants to continue with my knowledge earned so far for higher level of knowledge through the knowledge acquisition process in a much developed country like an advanced country and she believes that university sought would be one of the top ranked universities in the expected advanced country where she can earn sufficient knowledge in her area of study.

Therefore, she presents herself as a potential candidate for the architectural higher study level as a student at a reputed university and she is hoping for the best. In short she would like to emphasize that the green building, the sustainable energy efficient building and well formed architectural designs are the areas of my interest and she did many projects on these areas as mentioned above on those mentioned sectors of designs and grew much interest to study and work onward in those areas if she gets any suitable opportunity in the near future.

For the sake of the growing population, in order to compensate the space to accommodate them she thought a lot and finally came out with many dynamic ideas, which will not only accommodate them but also will facilitate them with environmental friendliness in order to satisfy their demands of today through green building and energy efficiency with sustainability.

These three are the major components that she believes for making any new structure of the modern age and therefore meet today's modern needs. By getting an opportunity to study at a reputed university she will try to learn and implement more with these three major components in terms of the realization of the architectural designs of the modern age hopefully. Thanks and she is hoping for your favor in this regard.