

Thinking Design for the future :

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Design in daily life :

Design is in our daily life, from the time we wake up, have our first sip of coffee till the time we sleep. Design is not just the buildings or a garden, or your bedroom. It is how much space we have for our feet to relax, how we wake up, only to hit snooze on our alarm clocks.

Design has evolved us from primitive housing to colony housing. It has made us evolve from a relaxed dining table eating style to on-the-go breakfast tables. It is how we click and use a pen, it is how roads and highways prevent clashing of the traffic, and road congestion.

It is how we can evolve as a human from the conventional methods of living, to something that is more advanced, which leads us to living better and easier lives.

The point where our lives are led better due to any product, is where designing steps in. If a machine makes it easier, the design makes it friendly for us to continue using it.

It is an everyday concept, observation, and way to lead our lives. As we walk through various aspects of life, we can see a variable in the designing process of built spaces and products used by the human.

For e.g. : An office building is made differently than a bungalow, a terrace for institute is designed in a different manner than for a club.

A chair used to eat lunch is more sturdy than the chair we keep in our offices, this is because it depends on the need of the human being, and how we have evolved from just innovating a product to designing a **Human-centric Product in a nature-centric space.**

New Materials and technology

As we have evolved, technology has evolved with us, it has made us more adaptive to the surroundings, more accustomed to the life-style of the people, it has made us evolve, innovate, and made us certainly more creative.

In building design, the aspects that have made us reach higher goals, build better **buildings, concentrate on the climatic, and environmental** parts rather than the just the **FORM or FUNCTION** have now been made easier.

It is through the mechanics of **BIM**, an advancement while designing a building that gives us the solar aspects, wind direction, and other variants of energy conservation which makes it easier for a building to be designed.

Though the technology has moved from hand drafting to auto-cad, and then towards the BIM. It still has a long way to go, but the realistic essence of the rendering, visualizing the space not only in our heads but seeing them on our screens before can be assigned to a civil engineer, which has made clients, and user more adaptive to the idea of better construction, good materials, and exploring their taste through the options that can evolved by an architect.

While we talk about spatial design, the technology such as virtual reality is already in place but augmented reality.

Now, as we talk about Augmented reality, it would only be right to say that it may be a booming function in a few years, where hollow spaces will be given an opportunity to be virtually treated as a designed public space such as a museum, a cinema, or a theatre.

Augmented reality in construction and architecture projects involves placing a 3D model of a proposed design onto an existing space using mobile devices and 3D models.

Design Details :

As we have read, seen, and experienced that **“God is in the details”**, by Mies Van Der Rohe, it is how he had described the intricacies followed in the construction. It is the minute intricacies that make it divine, as seen in the buildings from the era where monuments were made, in the contemporary, and the ones where the architect has a keen eye for not only construction details but for the experience details as well.

- Design Details can be observed not only through the tangible aspects of construction but also from the experience of the user that follows through the building.

In this sector, as I emphasize on Details of designing which can be inferred from the various aspects to design such as products of daily use, an application, or a building.

As details are a crucial part where the designer/architect looks keenly upon it and elaborates the aesthetic qualities.

The details in building construction with the art can be seen in examples such as

1. Old temples such as Meenakshi temple, Sun temple Konark, where the sculptures are sculpted.

2. Details in building construction where the design is combined with the infrastructure.

3. Details with the spaces, and taking climate and context into mind. The most famous example of this could be the Indian Habitat centre by Ar. Joseph A. Stein. where he has captured the essence of creating a garden inside a built space, therefore the various elaborate features of landscape create proper ventilation, protects the user from the harsh sun light, and keeps the noise aside.

Holistic Design Solutions :

Holistic Architecture is primarily associated with treating the whole person through the built environment. Holistic Architecture embraces the multifaceted complexities of the built environment through sustainability, green design, ecologically-positive materials, and alternative modalities.

Architectural design, when employed as a means of embodying Holistic principles, can provide healing environments that directly relate to our human body structure. Holistic Architecture is primarily associated with treating the whole person through the built environment. It promotes preventative medicine by maintaining the health of all aspects of the self—physical, mental, emotional, and spiritual.

Buildings have a profound influence on our health, physiological, and energetic state of being. Harmony and balance, light and color, relationship to our surroundings, and green materials are all contributing elements of the built environment that aspire to be positive rather than negative. By creating an atmosphere around us that is supportive to both our inner and outer senses, we can enhance rather than alienate our earthly links with nature.

Holistic Architecture embraces the multi-faceted complexities of the built environment through sustainability, green design, ecologically-positive materials, and alternative modalities. Nature follows certain rhythms and principals. Nature expresses itself in a language of shapes, harmonic ratios and geometric patterns of positive energy.

Incorporating these principles into a healthcare environment allows a full circle approach to our genetic makeup. It makes sense that if our buildings are to support healing then they should have these principals as generative design paths. Everything in the Universe follows these geometric principals. These principals can generate a foundation for building composition. Imagine the building designed in such a way that the geometry is in proportion to the healing energies of our human body.

Responsible design and Sustainable Society :

"The built form should not be treated as a mass of brick and concrete but as a living organism. The built form needs to breathe and be embodied in the environment."
Prof. Charanjit Shah

Responsible design starts with the initiative of architect, their conscious effort that puts into action the interpretation of a SUSTAINABLE ENVIRONMENT.

I have been engaged in creating sustainable buildings to build a better future since last 50 years.

One of m project which has given us a satisfaction to function better as an architecture firm while also thinking about the betterment of environment, less consumption of artificial electricity.



Figure 1: AVINASH TIMES SQUARE(NIGHT VIEW)

Times Square Shopping Mall is a design project for an entire micro-urbanism. Spreading across an area of 8100 **square metres**, **the identities of the mall**, both as a commercial space & a sustainable complex are understood to be symbols projected onto the administrative capital of the State of Chhattisgarh representing Naya Raipur as India's fourth prosperous & planned smart city. A Mall, being a commercial building, requires a critical approach towards positioning, zoning & magnetic aspects.

Ar. Gurpreet Shah took forward the **planning & design of a mall with a sustainable & creative approach which pleases not just the client but also the visitor**. It is aptly placed around the administrative buildings in the vicinity serving as a landmark and a turning point for the otherwise structured building envelopes.

Breaking away from the age- old philosophy & concept of a mall to be a conventional glass building with no play of forms, Ar. Gurpreet Shah accommodates an abstract use of *Jaali* work as an elevation feature with a dynamic built form where the building facade changes at every viewing angle. The concept is based on an emerging curve which rises from the ground and showcases the aspirations of a development of a new city Naya Raipur.



Figure 2: TIMES SQUARE MALL, RAIPUR

The design creates open spaces and terraces with the view of providing maximum commercial viability. At smaller scales, architectural details provide a visual dynamism that extends through each of the mall's spaces. It is interwoven with all characteristics of an iconic marvel which are responsive to its environment. The client's vision of a mall which provides value for money with functional aspects being catered to was translated by the architect into the dimensions of physical space with a unique design approach. **Times Square emparts an entire new definition to architecture by using natural air and avoiding the use of artificial cooling systems. The lake & the central park, right across the mall further enhances the cooling effect.**

Shaded courtyards in the centre create recreational relaxing spaces. Wind tunnels are created in the central courtyard for the flow of air and the kiosks are placed around the courtyard for the ease of consumers. Food and beverages are provided on the ground-floor for convenience. The highest point of the building is at the South-West which protects the building from harsh summer sun.

Ar. Gurpreet Shah projects Times Square mall as a step towards responsive architecture & design for the next- GEN catering to all aspects of sustainable and affordable design with economic viability and commercial feasibility.



Figure 3: DESIGN WITH THE WHOLE FACADE

New trends in Design Entrepreneurship :

Design entrepreneurship has evolved with the time and the sector of technology as people have become more oriented towards the virtual screens rather than the face to face communication.

Design entrepreneurship now involves more digital avenues to it like strategic social media marketing, new infrastructure for websites, publicity, and branding on the social media avenues have found a new arena towards the New trends in Design Entrepreneurship.

The biggest turn of events that happened in 2020 was **DIGITAL NOMADISM.**

The people grew their business sitting at their homes, they thought of getting better ideas, virtual workshops all the while interacting with their screens. But while the trends fade of virtual setting have been made it up till here, we look forward new challenges that come up with the designers each day.

The **globalism** trend is really growing in particular sectors especially media and professional services. To wit, it is perfect for the knowledge economy. For Architecture Design, we knew we needed a revolution through social media, it was about how the social media extends to the flourishing of the brands, firms, and design studios.

This global trends indicate a fair amount diversion in the trends that are ongoing, where architecture and design are bound to meet and grow. For the escalating growth and pounding designs are giving a fresh avenues of ideas, wherein you enter into a field and grow with the rapid increase in other aspects as well.

Future perspectives of Design as a profession and as a discipline :

Design has become a linguistic expression of the work that can be carried out by the designers and perceived by the people, to understand Artwork in a better way, not just in paintings but sculptures, murals, web applications, and built spaces.

Throughout the years, there has been a shift from just technical aspects to a sense of aesthetics, usability, grabbing the attention of the user, and enhancing their experience. I say this not only as an Architect, but as a designer who has relentlessly worked on spatial structuring, sustainable work profile, and user-centric architect.

For future disciplines of design, there is a lot of structuring that has to be done, there are a lot of arenas where a designer should interfere to better them with empathy and creative structuring to it.

As it is vast sector to touch upon, I would like to elaborate upon the architectural aspect of designing, while keeping the advancement and futuristic aspects to it in mind, would flourish with the easier solution to the sustainability of the environment, building material, and spaces.

As a professional who has stayed and worked passionately in the field, I would say that future, the designing of the building is in the hands of conscious and mindful architects. A building cannot be a box with just necessary amenities, it has be worked for the betterment of the environment, therefore, as professionals we have to work towards it, rather than exploiting the already existing resources.

A futuristic building is not the one with extraordinary form or materials such as glass, making the cities into glass and concrete jungles.

As new products are launched in the market, the avenues for design continue to grow in this fast-paced world of technology, and conscious designers.

As a professional in design industry there are three lenses to begin to come alive with various aspects such as THINKING, DESIGNING, AND ACTING.

With the growing opportunities in the various fields, we can see sparkling opportunity in the field of design, we live here with the opportunity of growing aspects in technology advancement, user-centric design, and ideation towards creativity.

We are slowly growing out of conventional ways of looking only into engineering, finance but looking into fields such as interactive design, artists, and designers beginning to occupy better space.

Art is something that we don't think we require, but is important to let the breath of fresh and creative avenues enter in our lives. When Art is combined with execution, it becomes a usable design product which is what the world needs more of, currently.