

عنوان مقاله:

Technological Advancements in Construction and Architecture

محل انتشار:

دومین کنفرانس بین المللی معماری و سازه (سال: 1390)

تعداد صفحات اصل مقاله: 8

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خلاصه مقاله:

It has been widely acknowledged that India is in need of world-class infrastructure to provide the foundation for faster and sustained economic growth. The urgency to focus on infrastructure stems not only from the need to better service the existing industries, but also from the rapidly growing needs of the 'sunrise sectors' and the need to attract foreign investments to sustain the growth. Riding high on a strong economy and relaxed investment norms, the Indian infrastructure and real estate sector is witnessing an unprecedented boom largely fuelled by the growth of the IT-ITES industry. Our communities demand from us today a new humanity and architecture. Indian cities of the 21st century are seeking comfort and sophistication of economy and culture in a sustainable manner representing a great challenge. In today's competitive business environment building construction technology systems become an absolute necessity, therefore building managers should pay enough attention to advantages and specifications concerning new building materials in order to maintain building investments and reduce its costs. That needs powerful building technology systems to achieve people requirements, and preserve their culture and personality in neighbourhoods, towns, and cities. Technology today offers a big variety of materials and finishing which differ and change without any scientific approach to evaluate its quality, or measure its impact over the presumed age of the building. As architects and engineers we should aim to reach an integrated environmental design benefiting from new building techniques and systems to afford more attractive homes and easier to lease making buildings more energy-efficient and less in maintenance and operating costs. Those balanced forms will be able to reflect the Indian personality through its different spaces and vision elements and also will reduce the total costs with no negative impact on quality and efficiency. In addition, applying new materials in building technology systems will help self-erection systems to take place in a successive order. To make most of the available opportunity and cater to changing needs, developers have to gear up to provide more efficient and high-class developments. Technology has touched every aspect of our daily lives. Then why not include the buildings where we work or live or entertain ourselves? After all, infrastructure is one of the cornerstones of a booming economy. There is a strong need for new-age intelligent infrastructure which in ... effect is physical spaces of the future, built through techno

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