

Advance Technologies in Architectural Engineering

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Editorial

Architectural engineering is the application of engineering principles and technology for building design and construction. The journal provides an open access platform to facilitate the exchange of information between architects and engineers, and to support the advancement of engineers and architects.

The Architectural engineering Technology has a collection of articles.

The first article is by Itma MAF [1]. Modernize the courtyard house. It is pointed out that the yard residence is some regarding the most important kinds of vernacular housing between the world, mainly between the Arab international locations. However, the uses about yard residence has no longer cut of the vernacular structure among the twentieth century, modern-day architects in their trendy action tried after rediscover this kind again. This bill discusses this rediscovering, then clarifies exclusive methods on adapting vernacular concepts regarding yard homes according to occurrence a modern-day one. Modernists combined the historic nature of that type together with the necessities over contemporary life as like well namely along the cutting-edge strategies of format then construction. Three well-known ways regarding modernizing the courtyard house are clarified between this paper, within rule in accordance with find out influences of vernacular concepts about the present day move namely nicely as much tools over thriving this type in the modern-day architecture. The demand bill concludes up to expectation the courtyard residence so a type has exceeded several stages concerning modernization: simulation, integration, yet transformation. In entire this stages, the potential over the courtyard house in accordance with maintain up together with the times then achieve a splendid advancement in contemporary structure is observed.

Perception of open spaces integration in maternity hospital designs inkaduna, kaduna state, Nigeria. Abdulrahman ME [2]. The consciousness regarding the positive outcomes about launch areas whether or not indoor or outside of patients' recovery procedure has lengthily been recognized of sanatorium structure or the integration about launch areas because the purpose regarding remedy has begun in accordance with be applied. This research ambitions according to furnish a new holistic method after maternity health facility diagram

so much includes relieving the fears yet disorientation over patients (through the integration regarding begin areas within maternity hospitals because of such drug functions) that might also hinder clinical treatment. Qualitative research technique was once utilized for that research, working use of litigation discipline strategy or software about remark schedule. Results of it lookup exhibit up to expectation even is amount dismiss about the uses concerning commence spaces into sanatorium design.

Adaptive comfort model incorporating temperature gradient for a uk residential building. Durrani F [3]. Thermal remedy subject experiments have been conducted after accumulate hot remedy records of 119 individuals into a take a look at house consultant regarding a ordinary UK house. This bill compares the performance over popular PMV-based thermal remedy index vs neutral anger based totally concerning Actual Mean Vote. The purpose of this research was in conformity with comprise vertical thermal gradient, as is normally a unnoticed but incredibly capable parameter within a residential setting then propose a current adaptive hot alleviation model. The recent adaptive model (LPMV) has been flourished the usage of a polynomial curve in shape method. This technique was selected namely that has the capability after correlate indoor environmental parameters together with AMV or incorporated to them among the generated mathematical model. The mannequin requires dead heat gradient and SET only in accordance with determine neutral temperatures who makes such the forward about its kind. The LMPV mannequin was carefully tested against hot alleviation facts created into that study then in opposition to independent/unbiased statistics stability (the ASHRAE RP-884 database).

Reference

1. Itma MAF (2019) Modernize the Courtyard House. J Archit Eng Tech 8: 1-5.
2. Ayuba P, Mordi CY, Abdulrahman ME (2019) Perception of open spaces integration in maternity hospital designs in kaduna, kaduna state, Nigeria. J Archit Eng Tech 8: 1-5.
3. Samsuddin S, Durrani F, Eftekhari M (2019) Adaptive comfort model incorporating temperature gradient for a UK residential building. J Archit Eng Tech 8: 1-6.