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Encouraging student interaction with Specialistprofessional consultants

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Abstract—19th and 20th century were the period after Industrial revolution and 21st century began with Electronics and cyber revolution. Since 1990's itself world rapidly oriented towards globalisation and use of computers in all sectors of the life. World just became like a Global village. This revolution touched almost all sectors and industries. Architecture and Construction is one of that. Use of computers, various advanced software definitely provided great exposure to students and professionals as well. These advancements introduced in Architectural education but the speed of changing technology and construction techniques is far more than the academics. In last 30 years, demands of market and architecture also changed globally. If you want your students to perform on international platform then instead of introducing them with the advanced practicing in profession its always advisable to give them exposure during senior classes. The changing technology, machinery and management concepts resulted in speedy construction and it made possible to execute the unbelievable concepts, ideas into reality. Advanced technology totally changed the scale and given total freedom to designers to think out of box. Drones are used for surveys and establishing global co-ordinates it is now advanced than even total station. In Eastern countries like Singapore, Hongkong, China. Vietnam and in Middle east the changing scale of architectural projects inviting our talent to perform and most of our students are struggling for international opportunities in job. Some of them may getting the opportunities to work with international players but not immediately at the beginning of career but after the struggle to understand and study these advanced and updated technologies and practices. So, I strongly feel that, we must invite the experts working with such projects rather than just introducing them the theory. It will definitely boost their confidence and skills.

Keywords— Professionals; Students; Technology; Advanced; Latest

1 Introduction

In India formal education of Architecture started in 19th century after the foundation of Sir J.J. College of Architecture, at Mumbai in the year 1913. It is said that, British were in need of draftsmen for drawing preparation and to execute their design ideas. So almost all the buildings designed and constructed by British are following their own style and architecture. After 1947, India initially invited Architect like Le Corbusier for designing capital city Chandigarh but after that, most of the Indian Master Architects like Ar. Charles Correa, Ar. Balkrishna Doshi, Ar. Lauri Baker tried hard to bring "Indianness" in their buildings and Architecture. Even before that, India has had a rich cultural and architectural heritage like Ellora Ajanta Caves, Beautiful North & South Indian temples. Khajuraho, Hampi - Badami, Shor temple and Konark sun temple are few of them. Fort Architecture was evolved and progressed since Bahmani period to Chhatrapati Shivaji Maharaj's Hindavi Swarajya. Rani Ahilyabai Holkar also took initiative in 18th Century and built, renovated so many temples, ghats and palaces. Ghats and Temples at Maheshwar and Varanasi are the best examples of quality and heritage structures constructed before 300-400 years. Indian Architecture was developed and progressing in the region and country almost during last 1000 years.

After Industrial revolution in 19th and 20th century the influence of Technology and Machinery increased in Architecture and in architectural education too. 21st century began with revolution in the field of Electronics and computers. In 1990-91, Communism failed in Russia and after the dissolution of USSR, since 1990's itself world rapidly oriented towards globalisation and use of computers in all sectors of the life. World just became like a Global village. This revolution

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8 Conclusions

In upcoming years, advanced technological developments are going to impact all sectors of life. Architecture is one of them. Introduction of these advanced technologies in academics and then the use of those in profession are going to take architecture profession to new level. Additive design involves both human and artificial intelligence in the design and construction process as well. Considering the current pace of changing technology in near future more robots and technicians will work together to design and build a building with great efficiency. Today many of the technologies, software are still in the stage of experimentation and explorations, and may need some time for final results. Efforts needed to use this upcoming technology as widespread architectural tools like MS Office, AutoCAD, photoshop used today. Undoubtedly this technology and tools are the future of architecture and profession which must be promoted and taken care of during academics as well.

Conflict of Interest

The authors have no conflicts of interest to declare.

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