



## “The Impact of Digital Technology on digital design and fabrication process to form architecture interior spaces”

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### **Abstract:**

The world has witnessed a lot of great developments in all fields under named “Digital revolution era” that was appeared in 20<sup>th</sup> century as a result of several revolutions after industrial revolution such as technological revolution and informal revolution. There was a great effect for the digital revolution on architecture and interior design’s development which associated with science development and applied technology in all industries.

Nowadays, technological development for computer’s system has several faces according to our life needs that will has gradual effect on architecture and interior design through merging digital technology in architecture and interior design, so we can have different and special design thought. According to the great development in electronics field, there was a design and creative thought revolution. That is shown through appearing new thoughts and schools in architecture and interior design. As a result, designers could find new design ways that was hard to apply by the old traditional methods. The new digital tools helped designers in doing tests on the designed forms to discover the shortage points and do the suitable modification within the design process not after its implementation.

Computer’s systems and digital revolution helped designers in doing their best which opened the door to appear new thoughts, more creativity and innovation in designing new forms to reach for the ideal and untraditional design through applying high digital technology; which was affected by new design movements aiming to look at a form to be in balance dynamically not statistically which took from mollusks forms and shapes of body cells by using developed digital technology to transform these shapes to physical forms through design and fabrication process.

### **Key Words:**

Digital revolution/Digital technology/digital fabrication/CAD/computer aided design/Architecture interior space.