THE IMPACT OF USING AUTOMATIC EMBROIDERY CRAFT UPON ARCHITECTURAL SPACES IN EGYPTIAN CRAFT INDUSTRIES VILLAGES

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Abstract

For many years, numerous researches have been conducted with regard to the industry programs development and their related applications. All industries have to compensate with these developments toward better performance. This research considers exploring the automatic embroidery craft’s essential requirements (such as: space, mechanism, maintenance, etc.) These craft widely spread allover the Egyptian villages and forced the numerous craftsmen to deal with. Afterwards the research will investigate the impact of this craft industry upon Architectural Spaces. The discussion is a case study of KAISARIA village – ELMAHALA ELKOBRA – GHARBIA govern rate

The discussion begins by the study of the development phases of the rural houses. Therefore the study will analyses the development phases of the rural crafts in the rural areas. Afterwards the research discusses all "automatic embroidery" machine generations, details, dimensions, requirements, and developments in order to solve problems in the Design process of rural housing that contain the mentioned craft. In the second part of the paper, the research has proposed “A new Architectural / Civil MODULE” as a tool to develop Rural Houses in the mentioned village. And consequently use this MODULE in the design process, to attain flexibility during upgrading machines Process.

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