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Role of architectural design in formation and utility of technology parks

Sanaz Savadi Shiraz^{*}, Parviz Norouzian

Department of architecting engineering, Islamic Azad university, Ghazvin branch, Iran

Email: san_savadi@yahoo.com

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Name of the Presenter: Sanaz Savadi Shiraz

Abstract

Technological development of societies in different dimensions requires a new design with perennial mechanism specifications for approach this aim: Generator and prolific development. One of the effective factors to enlargement of functions in research centers is their correct architectural designs. If in a country, design of technologic complexes based on technology planning, then, constitution a Technology Park will be much more logical. Although in becoming technologically process, some elements such as versatility of technology is very important but transfer of technology into old industries, can be successful when efficient technological infrastructure exists. Correct architecture is a best example. In this field, central architectural-structures in science and technology parks are considered as pivotal structures so that increase culture of use "corrects-functional designs" in places like these. In this paper with connect the academic architecture and industrial architecture based on experiences obtained from the study of scientific and research centers in Iran and other countries, is tried to access a developed architectural design-principles to make standard technology park. These design-principles are included: find best land in best zone, prepare the best substructure installation, best design for laboratories and workshops. Main outcome of study will be creation standard rules to assemblage technological units, companies, research institutes and universities. Generally these complexes are organized near the academic, economic or industrial poles and with an intelligent architecture design, in one hand create a suitable atmosphere for research and improve the scientific results as commercial products and in other hand the synergistic of physical proximity among these units growth the science production. Also reduction of initial and current capital costs will be the major benefits of this project.

Key words: Technology parks, Technological development, Research center Architecture, Space research focus, Absorb and adapt technology.
