

Incorporate Educational Spaces as an Approach to Increase Quality of Resource Utilization in Schools of the General Authority of Educational Buildings

School Buildings are considered one of the most important factors affecting the educational process beside the curriculum, instructor and school administration... As educational problems in Egypt majorly affect the quality of the city growth and development, a bundle of design solutions have been proposed to improve the quality of the educational environment in Egypt such as Cyber Schools that copes with technological progress and reduces student densities, and other schools depending on rotated or flying or shared classrooms that also reduces densities and increases the quality of space-use. However, all mentioned proposes need several transitional steps and mid-loops to be applied and accepted by the student and the Egyptian community... This paper aims to reconsider and revise the architectural design program for the GAEB schools (General Authority of Educational Buildings) looking forward to raising the efficiency of resource utilization and improving the learning process.

The paper first introduces and determines the problem presenting the current situation of school-space utilization, then follows a methodology that depends on studying and analyzing previous cases and experiences of schools design to set basis for an applicable proposal to incorporate educational spaces in school buildings' design... The proposal presents the concept of incorporating similar school spaces in order to increase quality of learning spaces utilization and reducing school construction cost, therefore increasing numbers of schools to overcome educational needs... Finally, the paper examines the proposal and concludes that by applying incorporate educational spaces, quality of space utilization

increases to 21.5% in the 33classroom Secondary school, and to 70.5% in the 3classroom Secondary school, in addition to the determination of wastage percentage in the 12 classrooms schools, orienting solutions to best fit the 15 or more classrooms schools.

Egyptian Schools, Incorporate Educational Spaces, Resources Utilization.