The Importance of Architecture in the Design of an Agricultural College

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***Abstract*—**Agricultural development and research facilities in the form of theoretical and experimental results will be achieved. The opportunities for these studies needs to architecture plans. In some countries old buildings are renovated and agricultural colleges will create regardless to the progress of the new equipment into their old towns in schools. Based on many agriculture colleges favorite result will be obtained by creating places for agriculture colleges of instant and free space out of cities. so, the role of architecture for creating academic space is effective.

***Keywords*—**architectural design, agriculture, spaces, development.

I. Introduction

HISTORICAL background described for Iran's universities, dated 1341 when Tehran university was found and seven universities were working. Following some changes in the educational system and increasing the number of universities and fields as well as emerging several educative experts, it could be seen that academic systems are still increasing.

After revolution of dispersed educational centers to unit educational methods in the country and establish a powerful instruction center, this is the university that plays a determinant role in our country at various levels.

Today agricultural course is considered one of the prominent fields of study in Iran's economical/scientific affairs, that is most universities tend to develop this field with regard to appropriate regional ground.

II. Materials and Methods

A. Agricultural college

The design of the agricultural college must be considered by tow aspects: first a discussion upon structure use as well as the needs satisfied with it, in other words some college's potentials for cultivation in this region second theoretical bases discussion and formation of the building by itself.

B. the importance of agriculture in development

Among designed buildings for various usage and time, architects have been able to show some abilities of this field to explain and publish architectural concepts. A remarkable issue in the world is agricultural colleges and, indeed, an appropriate atmosphere for education, therefore academic buildings will be the most important ones in a country in order to educate specialists and effect directly on multilateral developments in countries. Obviously scientific and speculative factors cause notable growth. As a result it is necessary to invest and finance for academic issues improvement.

Some of these issues are to establish a great many schools, consider development projects, encourage prominent professors, provide sufficient educational/administrative/welfare facilities for sophisticated individuals in this system. An agricultural college, for example, must be able to train specialists in some fields such as recognition, and cultivation of vegetations and everything related to nature and anti-nature along with available samples, and these skills could be experienced throw agricultural arias, convenient forests, intact nature, educational workshops, exhibitions, and conferences.

C. agricultural education

Agriculture is taken into account as an old field of study of a country this antiquity has influenced architectural structures in many countries. As it can be seen in some regions such as Belgrade (figure1) and Poland (figure2) they choose the most ancient building for this purpose. To gain appropriate efficiency they have changed the use of old buildings as well as utilizing them optimally. In fact these buildings are proper to promote a country's or its agriculture's antiquity. But could these buildings be employed in such cases (for example, an academic structure, where development projects are important and it must be adapted to existing possibilities at any time)?

It is not impossible to create a space for a particular use (like a lab) based on a place where its spaces have been designed for other uses, and also it is good to design a room for a lab even it is a cubic and simple space. Thus what is an architect's task?

III. Results And Discussion

A. location

Agricultural colleges need vast arias. In order to study on intact nature and cultivation farms. college buildings or at least some places related to workshop studies are often transferred out of polluted cities, in turn, sufficient welfare facilities are provided for them.

B. similar example

As it is obvious in the figures and descriptions about rivers state university (figure3) and EMA university in Poland (figure2), there are widespread sites out of residential areas for

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students or experts, researches and also theoretical course buildings have been transferred there to provide quite intact environment for agricultural purposes.

C. exchange of information

In order to the importance of scientific agricultural issues, a few auditoriums are developed separately for a particular purpose (collecting agricultural data in a single site).
Environmental security, some parts of economy, and most marketplaces in the world have owed agricultural studies, for this reason, conference halls and agriculturists meeting can be considered successful struggles in this field.
As we mentioned before some countries are trying to collect agricultural data in this way, but apart from specific use of auditoriums, both colleges and universities need to have some sites to hold this kinds of ceremonies.

D. design of agriculture college

One of the most important operations in many countries is to design agriculture buildings where either meet some needs or stimulate people to participate in scientific issues learning by development of architectural magnificence, specially in some region with efficient agricultural potentials. Many universities such as Utsonomia (figure4), Synd, Pakistan (figure5) Ag Quad (figure6), Truman (figure7) have developed remarkable scientific/ academic sites.

E. principles of design

there must be a number of messages in designing an agriculture college for sophisticated people as follows:

- The university's exterior
- Designed architectural structures
- Specific academic uses (and this paper specific agricultural uses)
- Considering entrances strength
- Instructing lobbies and partitions
- Visual/mental effects of structures
- Encouraging experts to present innovative/scientific ideas
- Inspiring human/societies needs to move

IV. CONCLUSION

It must be considered that a college's classes, workshops, library, auditorium, cultivation fields, forests, and natural environment is to be located far from urban tumult and perilous area to make it provide possibilities related to pure agricultural promotion and appropriate use of nature and also research on it (it is worth explaining that today's life cannot survive without urban development but agricultural data must be able to control it in favor of human's security and resolve his mental/physical problems. This requires to transmit high moral in a proper climate to people who are seeking relevant knowledge. So the experts will be powerful in this field). And this will be possible just in presence of an architect and his architectural design presentation. As we have already mentioned, successful university in all areas are the buildings with architectural design.

Fig. Belgrad university

Fig. 2 EMA university

Fig. 3 Rivers university

Fig. 4 Utsonomiya university

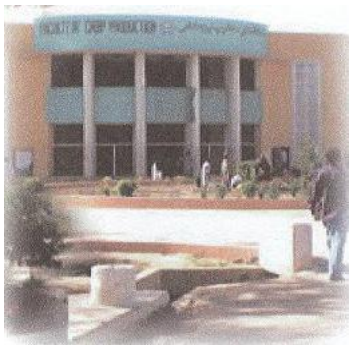

Fig. 5 Sindh university

Fig.6 Ag Quad university

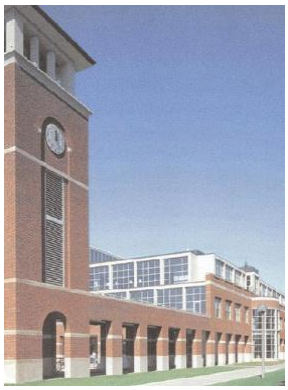

Fig. 7 Truman university

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