1- The Management And Organization for the Design Process Of The Multi-Architect Huge Projects

This research concerns with the architectural design process of the Multi-Architect Huge Projects in different countries from the world, in order to conclude a methodology for The Management and Organization for this very difficult and complex Process, that’s through (Theoretical & practical study) which includes analyzing for some remarkable huge projects as a case studies, The research also includes a questionnaire for some academic and practitioner ( Egyptian & foreign ) architects about the design management and how to improve the ability of leading collective design team in architecture, And finally some conversations are taking place with some ( Egyptian & foreign ) architects who have their own experience about the collective design process.

• The Theoretical Study:

Unit One: Management & Organization methodology:

This unit include a historical background for the beginning of the management idea and how this idea developed to become the modern management science, this unit also conclude the definitions and the concepts related to the management and organization, and also clarifying the main goals of the project management in the huge projects, and finally the reach to the methodology of achieving total quality in management as general.

Unit Two: Design Process management & organization:

This unit aims to reach the methodology for the management and organization of the collective architectural design process, this through knowing the definition of the collective design management and studying the similarity between design and management, and how creative architect can apply his creative skills in the management and organization, then studying the essence of the design process as general and especially the collective design process.

At this unit also the study try to clarifying the strong need for collective design management from both sides theoretical and practical, and also studying different approaches for the collective design management, and finally the research try to learning from other domains which includes many effective factors in the collective architectural design especially the social and psychology.

For the design team members, all of this to achieve the best results in practicing true collective architectural design process.

Unit Three: Multi-Architect huge projects:

This unit aims to detailed study for the scientific basis of the multi-Architect huge projects.
• **The Practical Study:**

**Unit Four: An analytical and field study:**
The plane of the practical study is to go through three main steps, based on studying the methodology of the management and organization for the design process of the multi-Architect huge projects. These three steps are as follows:

1) Applying a questionnaire form for some (Egyptian & foreign) academic and practitioner architects.
2) Collecting and analyzing some multi-Architect huge projects from different countries from the world.
3) Carrying out some conversation with International architects who have practice collective architectural design.

**Unit Five: Results and Recommendations:**
This unit consists of:

- Making a comparison between both results of the theoretical and practical studies.
- Figuring out the general results of the research referring to the research assumptions.
- Putting the main recommendations of the research.
This research concerns with the creative process in architecture, specially architectural formation, that’s through analyzing some remarkable projects, in order to conclude some phases in which the creative process is going through. The research also includes a questionnaire for some academic and practitioner architects about the creative process and how to improve the ability of creation. And finally some conversations is taking place with some architects who have their own creative trials about the creative process in architecture. From the above studies (theoretical and practical) we can put a group of results and recommendations that help in improving the ability of creation which leads to the total social development.

- **The Theoretical Study:**

  **Unit One: Definitions and Concepts:**
  This unit discusses the definitions and the concepts related to the creative process in architectural formation, through studying what is meant by creation in general, and specially architectural creation, also knowing who is considered as a creative architect, and what is the creative process, creative product, and finally what is the architectural formation.

  **Unit Two: The Creative Process:**
  This unit handles an analytical study for the creative process, and its phases and characteristics.

  **Unit Three: Architectural Formation:**
  This unit aims to study the scientific basis of the architectural formation, out of knowing what is the shape and what is the architectural formation, and also the basis of organizing the architectural formation.

  **Unit Four: The Creative Product in Architectural Formation:**
  This unit is studying the scientific basis of the creative product and the way of evaluating it, based on architectural and creative criteria.

The theoretical study ends with getting out its general results that can help in the practical study.
• The Practical Study:

**Unit Five: An analytical study for the phases of the creative process in architectural formation:**

The plane of the practical study is to go through three main steps, based on studying the phases of the creative process in architectural formation and how to improve the ability of creation of the creative architects. These three steps are as follows:

4) A questionnaire for some academic and practitioner architects.
5) Collecting and analyzing some creative projects in architectural formation.
6) Carrying out some conversation with some creative architects.

**Unit Six: Results and Recommendations:**

This unit consists of:

- Making a comparison between both results of the theoretical and practical studies.
- Figuring out the general results of the research referring to the research assumptions.
- Putting the main recommendations of the research.