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Appropriating New Urbanism Principles to the Egyptian Context

مواعاة مبادئ التصميم الحضري المستحدث للبيئة المصرية

New Urbanism is an urban design movement that became very popular in the beginning of the late 1980's and the early 1990's. New Urbanism Principles are about raising the quality of life and increasing the standard of living by creating better places to live. However, the different cultures and needs require s different sets of principles. Therefore, the research aims to develop well defined criteria or design principles for the Egyptian culture, suitable regulations for local urban, social and economical circumstance.

The research introduces and explains the basic principles of New Urbanism, in addition to the analysis of different International and local examples. A field survey (questionnaire) applied on the selected local examples to determine the needs and the satisfactory element of the inhabitants.

The research finally concludes and recommends well defined criteria and design principles for the Egyptian culture and suitable regulations for local urban circumstances.

في اواخر الثمانينيات واوائل التسعينات من القرن العشرين ظهرت حركة التصميم الحضري المستحدث و التي تدعو الي الاتجاه الي تجمعات عمرانية متكاملة تهتم بالبعد الانساني و بصورة عصرية. ولهذه الحركة عدد من المبادئ و الاسس و التي تعني برفع مستوي المعيشة و خلق بيئة عمرانية تحقق رضا السكان و بالتالي تحقق نجاح التجمع العمراني لكن يقف العائق دائما عند اختلاف البيئات و الثقافات حيث يتطلب كل مجتمع المبادئ و الاسس الخاصة به لكي تلائم ظروفه المحلية سواء الاجتماعية او الجغرافية او المناخية، لذا يهدف البحث الي الوصول الي اسس ومعايير تصميمية للمدن الجديدة تلائم البيئة العمرانية والثقافة المحلية

يقوم البحث بدراسة تحليلية لبعض الامثلة العالمية المخططة علي اساس مبادئ التصميم الحضري المستحدث للحصول علي عدة معايير تساعد في تحليل الامثلة المحلية، و بتطبيق دراسة ميدانية علي الحالات المختارة، يتم من خلالها الوصول الي الاحتياجات الفعلية لسكان التجمع العمراني الجديد والعوامل التي تؤدي الي احساسهم بالرضا عن بيئتهم العمرانية. و ايضا ردود افعالهم تجاه بيئتهم في حالة تطبيق مبادئ التصميم الحضري المستحدث علي المدن و التجمعات الجديدة في مصر.

و في النهاية يخلص البحث الي تحديد عدد من الاسس و المعايير التصميمية للبيئة العمرانية في المدن و التجمعات الجديدة في مصر تلائم البيئة و الثقافة و الاحتياجات المصرية.

Appropriating New Urbanism Principles to the Egyptian Context

A Thesis Submitted for Partial Fulfillment of the
Degree of Masters in Urban Planning

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إقرار

هذه الرسالة مقدمة في جامعة عين شمس للحصول على درجة الماجستير في الهندسة المعمارية - قسم التخطيط والتصميم العمراني.
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هذا ولم يتقدم بأي جزء من هذا البحث لنيل أي مؤهل أو درجة علمية لأي كلية أو معهد علمي آخر.

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Abstract:

New Urbanism is an urban design movement that became very popular in the beginning of the late 1980's and the early 1990's, that promotes the creation and restoration of diverse, walkable, compact, energetic, mixed-use communities

From the international experiences, The New Urbanism Principles is about raising the quality of life and increasing the standard of living by creating better places to live. In addition, its principles guarantee the satisfaction for those who live in the new community. Consequently, guarantee a successful community. However, the different cultures and needs require s different sets of principles, that match each culture and needs. Therefore, the research aims to develop well defined criteria or design principles for the Egyptian culture, suitable regulations for local urban, social and economical circumstance.

The research introduces and explains the basic principles of New Urbanism, in addition to the analysis of different International examples of new communities planned and designed based on the principles of New Urbanism. This will assist in obtaining certain criteria which will facilitate the analysis of the local Egyptian examples; the researcher also classified the new communities in Egypt into groups, according to this classification, four case studies were chosen: 6th of October city, New Cairo (1st community – Al-Rehab) and 10th of Ramadan city.

In addition to a field survey (questionnaire) applied on the selected case studies to determine the needs and the satisfactory element of the inhabitants. The research finally concludes and recommends well defined criteria and design principles for the Egyptian culture and suitable regulations for local urban circumstances.

Key words: New Urbanism – urbanism – walkability – connectivity – diversity – human scale – public spaces – sustainability – sprawl – new cities

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