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كلية الهندسة ـ جامعة بغداد
قسم الهندسة المعمارية

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كلية الهندسة ـ جامعة بغداد
قسم الهندسة المعمارية

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(Technology Communication)

(Global Village)

(Satellite Cities)

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(Communicativeness)   .

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Abstract:-

This research attempts to trace the most significant development caused by the information revolution, namely "the Communication Technology" which reduced the distances between different urban communities, or within a single one, eliminated the geographical boundaries and the transformed the world into a global village. This led to the emergence of new forms and bodies to those urban communities; perhaps the most important is the fragmentation of the major cities and the emergence of (Satellite Cities) with global links, rather than hinterlands to the local capital cities as in the past. But in spite of the technological tide of communications and its inevitable impacts, it stays, with all its possibilities, a reaction that occurs only in one direction and within the limits of no more than sending and receiving nothing more. This is what Arab cities had seen in the recent stages of their change.

Here arises **the problem of the emergence of the communication act as a "Dogmatic" because the whole world revolved around the communications network ...** Which in turn became the heart of the system of this era. **In light of this problem, this research has sought to find the act parallel if not alternative that will fold the " Communication " between its wings, making it, the stage of the process of response and interaction surpassing the limits of sending and receiving. In other words the transition from importing technology to the process of contributing to its production.** This only takes place through the investment of the Communications Technology to achieve that which is the highest and noblest, posed in this research by the "Communicativeness" between communities. To achieve this goal it took the building of the theoretical framework, in the light of which we put forward the hypothesis of the research that reads (**Communication in its technological dimension and Communicativeness in its social dimension, both, play a role in the formulation of Satellite Cities of the twenty-first century through their essential impact on the physical, social and economic infrastructure development of those cities).** The research, then, sought to test the validity of this hypothesis and draw conclusions and recommendations.

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(Pacey)

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(Pacey, 1991, P6)   **(Communicativeness)**

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(Communication)   .

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Communication)

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(Walter Stone   )

The Twilight of   "

"Sovereignty

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.2.1   :-

(Toffler,1980,P25)

(207   1998   ).

Direct Interaction –

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Communication Networks   .

Peripherals.

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(9   1987).

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(150   2004   ).

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1.2. _____: –   Artificial   Intelligence

Automatic Control

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) Time Scrambling

1996)   .(109   2001

Virtual Reality   .(24

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3. _____: –   Virtual Reality

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Information   )   (

(نبيل علي، 2001، ص118).

(Superhighway

(انطوان بطرس، 1987،

ص122).

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Communication and
Communicativeness:-

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(2000 143).

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.(Charles,1969,P 42)   .(1   2005   )

(Lussier)

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Encoding   Decoding

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( )   Muchielli,)

.(R,1980   .   :

Feedback   ( )

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.(9   2002   )

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(Charles Cooley   : "

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          (Cohen)

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            (Couclelis)

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(محمود حسن،2001، ص2).   .   .(3   2003

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(Simmonds
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(Simmonds 2000, p 277).

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4.1.3. _____

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(2002   60).

.4.1.4. _____

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(Shoshana Zubaff

.   (Castells)

(Groak, 1993, p 116).

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(Batten

Network City

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.**(Graham & Marvin, 1996, p 71)**

(Castells   )

.**(61   2002   )**

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_____4.2.

Relational

___-:-___

Satellite   )

)   (Towns

1922   (Raymond

.**(Castells ,1996, P 366-380)**

Convergence

(2)   .**(87   1983   )**

Connectivity

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(Sub-System

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- Theory of   .

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Challenging:-

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Adaptability:-

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Living World"

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– **Kawasaki**   )

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(142.63 ^{2})   (6).

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(Mycom City)

(Micro Computer City)   …

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حيث

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2. **Castells. M.,** "The Rise of Network Society", Oxford: Blackwell, 1996.
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12. http://directrooms.com/japan/maps/kawasaki-maps.htm

13. "   " .1998

14. "   " . 1983

15. "   "

16. "   " . 2002 /

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17. "   " .

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18. "   " . 2006 /

19. "   " . 2000

20. "   " . 2005 " http://www.aljamaa.net/ar/document/2053.shtml

21. "   " . 1987

22. "   " . 2002

23. "   " .1996

24. :"   " http://arabcin.net . 2003
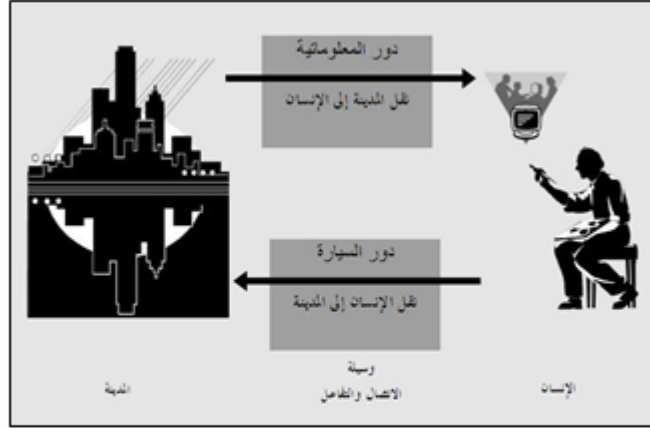
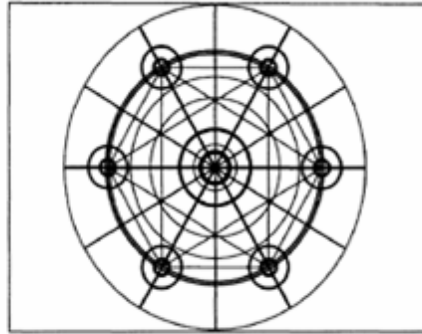25. "   " .2004
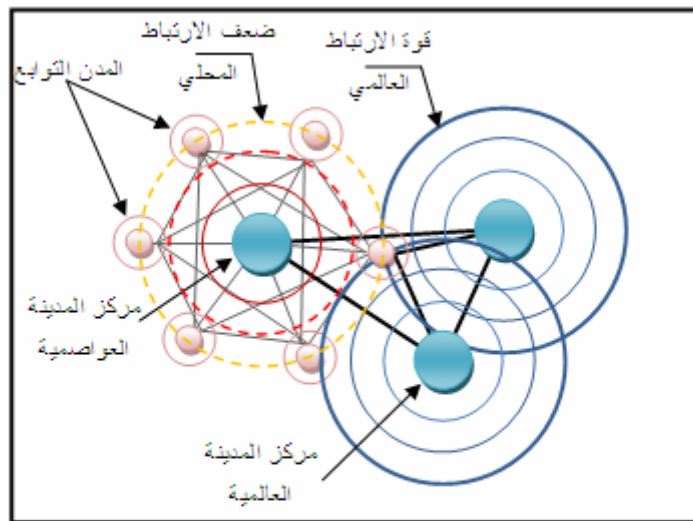
26. "   " . 2001

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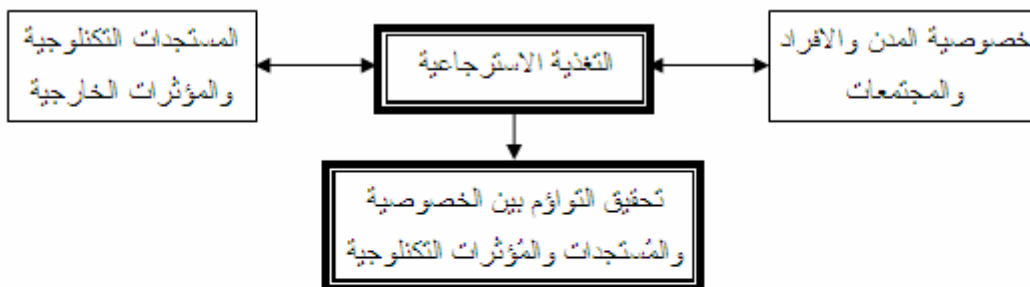الشكل (1) الاختلاف بين دور السيارة ودور المعلوماتية فى تحديد طريقة الاتصال (نوبي محمد ،2000، ص182).

الشكل (2) يوضح نموذج المدن التوابع للمخطط رايموند (Hildebrand Frey , 2005, p 77)
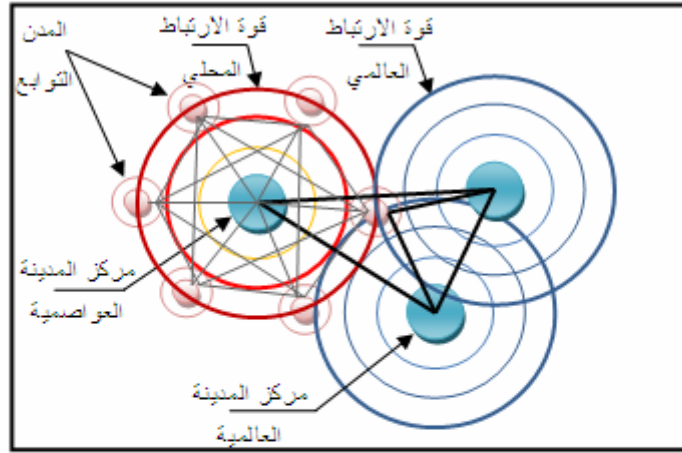
الشكل (3) يوضح الهيئة التخطيطية للمدن التوابع المعلوماتية
بفعل تأثير أُسس منظومة الاتصال (المصدر: الباحثة)

شكل رقم (4) دور التغذية الاسترجاعية في تحقيق التوأزم
بين الخصوصية والمستجدات والمؤثرات الخارجية
(المصدر: الباحثة)

الشكل (5) يوضح الهيئة التخطيطية للمدن التوابع المعلوماتية بفعل تأثير أُسس منظومة التواصل (المصدر: الباحثة)
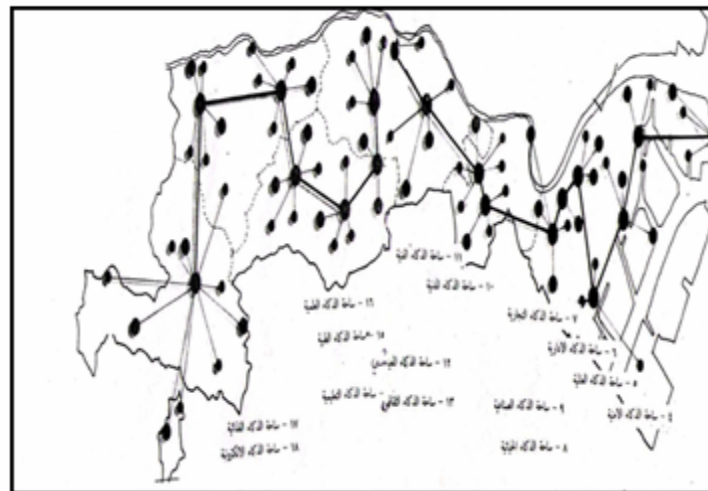

الشكل (6) يوضح الموقّع الجغرافي لمدينة كاواساكي http://www.kian.or.jp/home/guidetok

شكل (7) علاقة مدينة كاواساكي بشبكة المواصلات الرئيسية

http://directrooms.com/japan/maps/kawasaki-maps.htm

شكل (8) مخطط مدينة كاوساكي يبين مسارات الالياف
الضوئية والساحات الذكية في المدينة (الصفار، 2006، ص 72)