

# Sociological examination of the role of information technology in creating dialogue

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## *Abstract—*

The aim of this study is to identify and examine the impact of technology, which is the most important phenomenon of today, on the formation of people's new communication methods, human relations and relationship patterns. This article is based on sociological literature about people and technology. The theoretical framework of this study is based on Custer's theory. Use existing data and analysis from researchers in the field as a research guide. It turns out that this new communication provides a connection that creates and receives life forms. With the speed of information technology, the basis of society has changed. Culture is made of symbols, and these symbols are made of electrons. Create informal communication and social cooperation by forming peer groups and social networks to encourage getting along. Because people informally socialize and communicate with the values and standards of other communities and virtual cultures. In addition, the economy is based on information, not money as before, and financial capital is related to the speed of this change in society. Therefore, social understanding is not possible without electronic devices.

Index words - social network, information technology, Internet, social network, social capital.

## I. INTRODUCTION

According to Toffler, the information age began in 1955, and technology has a major role in the development of the information society. The use of technology is lead to, saves time, increases in human effort, less travel, the spread of cultures.

Technology in nature, is one of products of society and power relations in society. It is a phenomenon that is shaped by social forces, and helping to shape the same force. Information technology is lead to awareness, prosperity, freedom from fanaticism oriented, a good opportunity to understand, good opportunity of living. But it has its challenges. Manipulated information, will affect everything. Development of technological tools, provide field for production of new subcultures. Understanding of society is not possible without its technological tools.

The poster says:

Expanding information technology, has effects on the deep, lifestyle, and our thinking, about ourselves and our environment around. Because this expansion is modified,

our social network. [1]

World has become, quickly, into an information society. A society that in its wisdom and access, and useful use from knowledge is a central and decisive role. Society without culture of information, cannot reach a high level economic and technological. The study of, its effects on various aspects of life is, from the most important day's discussions.

## II. CYBERSPACE

Cyberspace is an interactive space which people are not only recipients, such as radio and television.

They are also both sender and receiver and also the people who live in cyberspace deliver and receive services in this area and find the virtual identity. There is virtual identity with the other terms in scientific texts and articles, such as anonymity, anonyms, online mask or masquerade. The most important trait of the virtual identity is not recognized it. In this space, people can be introduced artificially and individuals can have an identity other than the original identity. Everyone is responsible for his behavior and speech in the real world, but freedom of expression is higher in the virtual identity.

It is the responsibility of both speech and thought and the person may be unhappy with some of his real identity, such as education, family situation, gender or social circumstances and to console himself with dummy identity. Consolation that, he may change all or part of their real identity. It may show itself differently for mischievous, deception, manipulated by financial and sexual abuse.

Nowadays people are buying and selling through the internet. Training are also in the virtual world. Jobs are also looking to through the internet and spend their leisure time on the internet. People can check their accounts through the internet as well as pay. As the statistics show that the process of "Mediatization" and "Demystification" can be describe the main part of the leisure of young living in modern societies. Today's youth spend more leisure time in private and increasingly rely on new media for entertainment. Many thinkers believe that the critical stage of adolescence is identity formation, because at this young age, they realize their cognitive and social maturity.

Quoted by UNAMA: Youth have the power and capacity in the evaluation of abstract concepts such as nationality, race and ethnicity. [2]

"In recent decades, social structures like class (the production) which finds meaning in the context of identity is lost". [3]

## NETWORK

Network is composed from set of connection points, or nodes interconnected. Connection points, depending on the type of network, for example, in political network, dominant Union of Europe, connection points, are National Council of Ministers and senior European officials. Or in the global financial network, connection points are stock markets, and their ancillary service centers. [4]

### III. SOCIAL NETWORK

Social networks is a social structure, which is composed of individuals or groups. Their relationship is as friendship, kinship, supportive, transaction, emotional, cognitive. This structure, perhaps, have centralized management, or without management. Each network is composed of a number of connection points or nodes (similar to nerve synapses) that the information flows among them. And control is exercised through them. Social networks are open structures, which can spread without any restriction, and be receptive, new nodes, as long as they have communication ability. In other words, as long as they have , codes common communication (eg , values, common goals).[5]

### IV. NETWORK SIZE

The network size, complex individuals, which are interconnected in a network. They know each other, and are linked together, which can include relatives, friends, neighbors and colleagues. [6]

### V. KINDS OF SOCIAL NETWORKS

- 1) Emotional support network .This network is included, who have together, a very near relationship. The purpose of this network, is emotional protection, individuals in group.
- 2) Social support network. This network is larger than network of emotional protection. Emotional needs, not present in this network. This network of individuals, those who were called for different affairs. This affairs are variable, and maybe affairs will be very important or less important.
- 3) Unified networks: This network will included, individual who recognizes them. Many people do not have specific task, except, as information carrier. Among them, can be mentioned, the network who can provide information about, employment opportunities.
- 4) Informal social communication networks: Face to face relationships between a few people who know each other, and through kinship ties, friendship, and neighbors are interdependent. Base on trust and cooperative relations between members of network that shared social identity of their own, think similar, they interact with each other. These networks, based on not written law, and based on informal norms and values, are managed and controlled.
- 5) Formal social communication networks: Face to face relations between people based on rules and laws are defined, Relations, usually is president and subordinate,

are only within rules, together with associated.

## VI. COMMUNITY - BASED NETWORKS

It is a kind of social network, which today are created with the goal community empowerment. Through it individual or community, with participation and utilization of existing resources and capacities, are possible, monitoring, evaluation and assessment measures. Which eventually, leads to change, based on insights and own capacity, or community. Today, this network used in combat, some of the social pathology.

## VII. SHAPE OF SOCIAL NETWORKS

The shape of a social network helps determine a network's usefulness to its individuals. Smaller, tighter networks can be less useful to their members than networks with lots of loose connections to individuals outside the main network. More open networks, with many weak ties and social connections, are more likely to introduce new ideas and opportunities to their members than closed networks with many redundant ties. In other words, a group of friends who only do things with each other already share the same knowledge and opportunities. A group of individuals with connections to other social worlds is likely to have access to a wider range of information. It is better for individual success to have connections to a variety of networks rather than many connections within a single network. Similarly, individuals can exercise influence or act as brokers within their social networks by bridging two networks that are not directly linked (called filling structural holes).[7]

Social capital in social networks, depends on the number of connections. As number of additional connections, that is greater participation, and ultimately more social capital.

## VIII. APPROACH TO NETWORK ANALYSIS

Net per person, based on the links and relationship formed. Links the individual with their network members, including relatives, friends and colleagues and peers, it makes up in his daily life, to a considerable extent, a variety of support, it provides that members of the network, using to. Turns of the network, the resources are, where necessary, can refer to them. To receive social assistance from the network. Causing the people in dealing with problems, which have the capacity to fight. So synonymous with some of the social network of social support, considered, and that personal network, most people living in crisis support and even claim that recipients of personal support, physically and mentally, that those who lack this support, a healthy trend. In the discussion of the characteristics of personal networks.[6]

## IX. THEORETICAL ASPECTS

The first, the participants discussed social networks are scholars such as Emile Durkheim and Ferdinand Tönnies. Durkheim in the study of traditional communities, it knows based on mechanical solidarity, which is derived from collective consciousness. In industrial societies, is organic

solidarity, based on human differences, and their relationships in system of social division of labor. Tonnies also, are divided, their society, according to type of communication, the two gemeinschaft (personal Relation) and gesellschaft (instrumental Relation) .

Simmel essays pointed to the nature of network size on interaction and to the likelihood of interaction in ramified, loosely-knit networks rather than groups (Simmel, 1908/1971).

In 1940, A.R. Radcliffe-Brown's presidential address to British anthropologists urged the systematic study of networks. [8]

Castells believed:

The information revolution, which began from Silicon Valley, in California in 1970s, with unprecedented speed, created change in the infosphere of natural and cultural infosphere, and, man's spiritual infosphere. Information technology, and communication provided, possibility of the network society, which people get, in the form of fresh, new identities, and offers new definitions from human.[2]

Studies have shown that social networks have an important role in social movements (Line, 1999), employment [9] and dynamics of fashion, temporary social interests [10], forming to features individuals (Lee, 2004), the rate of disease [11].

## X. CONCLUSION

To better understand the world in which we live, it is necessary, review changes that occur. Without doubt, the creation of, social networks have been, aspect explain of activities of twenty-first century. Social networks are shown, importance of flow of information. Social networks, can be considered social impact of technology. There is exchange of thoughts, through social networks. Communications at higher levels will become the global social network. The emotional support that previously was done, through person, now, that is done, in the form of social network. Society without culture of information, can not reach into high level of economy and technology. The process of change in social networks, goes beyond from social relations and production. This process affects on culture, and power. Cultural effects, separate from local environment and geography, and ultimately, they are transmitted, via electronic communication networks.

Individuals, in this networks by using communication skills, and analytical ability, which can be near their culture, and ultimately, the creation of global culture. Thus, Individuals become global citizens.

Thus, in traditional societies, due to lack of technology tools, was tendency to oral conversation and in industrial society, the type of communication was by writing and speaking. But in information society, based on information technology, the type of communication is based on, virtual interaction and social networks. Economy is not based on capital, but it is based on the information. Power tools, in

traditional societies, was land, and industrial communities, was capital, but in information community, it is access to information via technology.

TABLE I: THE RELATIONSHIP BETWEEN THE TYPE OF SOCIETY AND TYPE OF HUMAN RELATIONS

Type of society	Type of relationship	Relationship level	Range of communication	Dominant communication tools	Dominant power tools
Tradetinel	Face toFace	Micro	Friends ,relative s	Speaking	Ground
Indu strial	Writing ang Face toFace	Middle	Friends ,relative sang National	Writingang Speakin g	Capital
Information	Internet	Macro	Universal	Chat online	Information

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