



## EFFECT OF SCIENCE AND TECHNOLOGY ON MARGINALIZED SOCIETY.

Dr. G. A. Karhale\*

Madhavrao Patil Arts, Commerce and Science College, Palam Dist. Parbhani (M.S), India. \*Corresponding Author

**ABSTRACT** In the present paper we are discuss about the effect of Science and Technology on Marginal Society. Ancient human living style, the development and effect of science on marginal society, the role of technology on marginal society, communication system, ancient education and present education system for marginal society. Here we concluded that, the science and technology play vital role for mankind and marginalized society.

**KEYWORDS :** Science, Technology, Communications tools, Education system, Marginalized Society,

**INTRODUCTION:**

In the ancient period, humans lived in caves or simple huts and were hunters and gatherers. They used basic stone and bone tools, as well as crude stone axes, for hunting birds and wild animals. The humans have categorised as follows on their behaviour such as, Homo habilis i.e. handy man, Homo erectus i.e. upright man, Homo neanderthalensis is called as Neanderthal, The Denisovans, Homo floresiensis is the hobbit and naledi i.e. Star man. But the curiosity of human, to discover the new things in nature which help the better life style of society plays important role. Science in its original sense was a word for a type of knowledge, rather than a specialized word for the pursuit of such knowledge. In particular, it was the type of knowledge which people can communicate to each other and share. For example, knowledge about the working of natural things was gathered long before recorded history and led to the development of complex abstract thought. This is shown by the construction of complex calendars, techniques for making poisonous plants edible, community at national scale, and dikes, and buildings such as the Pyramids. However, no consistent conscious distinction was made between knowledge of such things, which are true in every community, and other types of communal knowledge, such as mythologies and legal systems. The material age was known in prehistory, and earliest known producer of bronze-like alloys. It is thought that early experimentation with heating and mixing of substances over time developed into experiment.

**Technology plays important role in development of Society:**

Technology can be most broadly defined as the entities, both material and immaterial, created by the application of mental and physical effort in order to achieve some value. In this usage, technology refers to tools and machines that may be used to solve real-world problems. No matter how clever or artificially intelligent computers get, and no matter how much they help us advance, they will always be strictly machines and we will be strictly humans. When we finally do extend the living range of humanity throughout near space, possibly throughout the entire solar system and out to the stars, it will be done in cycle with advanced computers that will be as intelligent as we are, but never intelligent in the same way that humans are.

**Use of Technology:**

With the advent of the world Wide Web, use of the Internet has grown at a rate unseen for technology-today, it is estimated that more than 100 million users around the world, most of whom never heard of the internet four years ago, now depend on it for communication, shopping, research, and a host of other purpose.

Technology skills will continue to become a necessary part of the education and workforce experience for most students and marginal society. The digital devices will continue to replace older analog technology as sound, video, and data communication merge with the rapid growth in high-bandwidth systems. Therefore, individuals will have increasingly direct access to services and information and the power of technology will increasingly allow products and services<sup>2</sup>.

The following technologies made drastic changes into the society these are, stone wheel, fire, archery, medicine, engine, radio, aeroplane, Television, mobile, laptop etc.

**1. Stone Wheel and wooden wheel age.**

The earliest wheels were used as potter's wheels. The ancient man

designed the stone wheel for the transportation, which was used for the bullet cart. Such types of stone wheel were used for grinding and mixing of sand and lime for construction. Due to the size and heaviness of stone wheel. Then the modification of stone wheel becomes wooden wheels they were simple wooden disks with a hole for the axle. Some of the earliest wheels were made from horizontal slices of tree trunks. Because of the uneven structure of wood, a wheel made from a horizontal slice of a tree trunk will tend to be inferior to one made from rounded pieces of longitudinal boards.

**2. Communication Tools:**

In older days the communication was based on signal, horse messenger who was the messenger that was already established by their prehistoric ancestors. They communicated through writing by various forms of media, metal, stone, wood, pottery and wax. But, in modern age radio, Tv, Newspaper, magazine, Mobile are very powerful tool to give the knowledge and information to marginalized society for their upliftment.

**3. Change In Education System:**

The roots of the ancient Indian system of education may be traced in the works of Vedic literature, namely, the Vedic Samhitas, the Aranyakas, and the Upanisads. In fact these works are the products of the educational system which they reveal<sup>1</sup>.

The education system of ancient period has unique characteristic and qualities which were not found in the ancient education system of any other country in the world. Gurukul was a type of school in ancient India, residential in nature, with learners living in closer to the teacher<sup>3</sup>. Rabindranath Tagore's education system was one of the unique which connected to the nature. Presently, the impact of Science and Technology becomes drastic changes in teaching, learning in the modern society. Now the society changes with digital learning resources such as, Moocs, Moodle, E-learning, Swayam, Swayamprabha, National Digital library and the education reach to every corner of marginalized society.



**CONCLUSIONS:**

Day-by-day the impact of science and technology made the drastic changes in marginalized society in overall development. Using various electronic tools definitely, we can use our societies life better.

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