

# Global Scenario Of Indian Cultural Society In Mathematics

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## **Abstract:**

Human beings are curious to explore new and new events in course of time flittering. Necessity is the mother of invention- the proverb illustrates gradual needs and progressive development. Each and every invention changed the level of Society yielded the new opportunities to adopt and run for a period. The adaptation of a new technology shifted the social heritage, much of the interest in culture and Mathematics focused on understanding the nature of primitive mentality. The development of number system enabled the people to remember the earlier data. The conceptions both of human intelligence and of culture extent led people engaged in cross culture studies of Mathematical thinking how to use in professional aspects. The present article focuses the cognitive studies of Mathematics which is undergoing a transformation within Psychology, is a useful way to outline in broad strokes. The article includes historical development, Impact on Culture, challenges and conclusion.

**Key Words:** Invention, adaptation, cognitive studies, Transformation.

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## **I. Introduction:**

Mathematics in every- day life establishes correlation in business as well as decent standard unit. The cognitive study of Mathematics is undergoing a transformation within Psychology and Mentality. It is the way to outline the features in broad strokes, the view of the historical developments that have pushed culture from the sidelines towards the mainstream of development. The remarkable point is that learning is general and Mathematics learning in particular is inherently cultural process.

## **II. History-**

Developments of cultures were proposed to be analogous to stages in individual human race. Societies were assigned hierachichal ranks according to the state of their institutions and practices. A link was proposed whereby the level of development of a culture would determine the level of intelligence of people. According to Wittgenstien Mathematics is a system that exists apart from the practice of doing Mathematics. Some ones see Mathematics as Social in nature, and inseparable from the social realm in which it is used.

## **III. Impact On Culture**

Mathematics [1] is not a universal, formal domain of knowledge waiting to be discovered, but rather an assemblage of culturally constructed symbolic representation. Mathematics that children learn in schools to do inside and outside is different from curriculum. It is an abstract of knowledge one may think that there is little to be said about its connection with culture and everyday life.

The evolution of Mathematical tools and technique changed the social behavior and living standard[2]. It provided the easier way to apply in everyday life. Either we talk of measurement in length, mass and time or complexity which determine the forecast assessment and prediction in near future. For example, the communication about weather as well as its effects to an affected domain-such as temperature, pressure, humidity e.t.c. are the specific data to be assessed.

Mathematical ideas ensure the intimate probability of an event, may occur, and be alert. The development of Mathematics also provided the society to run the trade market in Global scenario such as profit, loss, interest, compound interest, share markets added as new phase commercially affected the culture in society.

Now-a-days, Boolean algebra (0, 1) has significant role in communication world to provide a lot of information through computer software. Of course, all scientific methods and techniques originate from mathematical concepts. When we say speed of a computer is nanosecond, it means  $\frac{1}{10^9}$  second, a signal appears.

So including all the facts, it is aimed to represent that Mathematics is a mirror to meet the requirement and lead the target.

#### **IV. Challenges:**

All mathematical operations such as calculus, trigonometric functions, algebraic equations are concerned to the dynamical variation in a quantity extends to its limit and range, lead to invent mathematical tools. All these scientific developments affect the social lives significantly create a new culture in Society[3]. 0(zero), negative number rules, quadratic equations, number system and vedic mathematics are primitive assets to preserve and search the resolution to our forthcoming problems[4].

#### **V. Conclusion:**

We need to globalize the Indian Mathematics to almost to all over the world. Indian Mathematics are the basic and global supports of all kinds of scientific development, may invent new tool to uplift the level of society as well as turn the social cultures. We need to evolve Vedic mathematics again through the same language and identity.

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