



## Multiple intelligence: Its relevance on promotion of tribal education

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### Abstract

Howard Gardner, one of the brightest and practical Psychologist that ever seen in the field of Psychology and Education. Psychology is not only to analyse the human mind's nook and corner but also a suitable modern medium to evaluate the inner strength and efficiencies of mind. Famous Psychologists like Freud, Jung, Piaget and Vygotsky were the pioneers in the field of analyses inner strength of mind, from the earlier time itself extra intelligentsia' are curiously involved in find out the inner business of mind.

Intelligence, Psychologists and Scientists continuously engaging to analyze and exhibit the internal secrets of the working procedure of this phenomena, philosophers are firstly try to open the door of mind in a philosophical way. In India various Darshans and in West various ideologies which pave way for these process. Human mind is from the ancient to this present modern era a cellar of secrets. Collection of secrets which concentrated in the core of man and it worked out as computer, sensor indicator radar or like any of the modern electronic equipment.

**Keywords:** Gardner, psychology, tribal education, human

### Introduction

Modern Psychology is the base of all educational activities from pre-school to research level. From the curriculum design to test construction is on the psychological principles. Psychology is inter related and its result is in all walks of activities of educational process. Human mind and its way of functioning is a mystery in ancient period itself but due to the development of Science and allied branches of knowledge explore the inner and deeper way of functioning. Science and Scientific way of functioning is the base of analyzing human minds functioning. The systematic way of analysis which help the scientists to explore the truth behind it. The ancient perceptions about structure of mind and its functioning was questioned by the new and innovative thinkers and Philosophers. Pioneers in this field has tries to Philosophizing the structure, function, volume and depth of Psychic functions. But due to the development of pure Psychology and its allied branches, they are able to explore the various levels of mind and its functioning.

Knowledge and its exploration is a continuous and unending journey of humankind, it is as old as human civilization. Man has surpassed all other animals because of the brain he developed used and made history through various sources. It is realized that effective and complete concentration of mind has always a tool for higher order achievement. Higher order achievement of anything is primarily depend upon the functioning of brain and mind. Through the joint and strainful efforts of neuro-brain based efforts Psychic functioning and its results are very effective in learning. Adaptation, perception and assimilation that described by Piaget and other parallel Psychologists is a new and remarkable one in teaching and learning process. Somany kinds of perceptions and concepts

that ruled the human mind from ancient period itself. But most of these perceptions are not real or true in the light of science or systematic knowledge. Scientific knowledge but human mind is a revolutionary one in human civilization different types of civilization and cultural background which enabled man who redefine the previous perceptions about psychic functioning.

Science and Scientific temper which continuously promote the systematic knowledge about the human mind. Way of knowledge and its generation create a new diversion to human kind for psychic based inventions and findings.

Classical Psychologists or traditional experts are concentrated only on the functioning of mind. Cognitive Psychology is based on empirical evidence. Cognitive Psychology is focused on the scientific study of the mind and its process. Its intention or thrust area is an intelligence and behavior especially on known information is represented, processed and transformed.

### Key terms

Multiple, intelligence, relevance, promotion, Tribe, education.

### Need and significance

Research and academic development in educational Psychology create new dimensions in teaching learning process. Modern education is based on suitable theoretical constructs of Psychology. Behaviorist school of Psychologists and others also give due importance on research, findings and its implementation an academic activities. Child Psychology theory on intelligence and learning are the relevant among them. Various groups of psychologists and experts are continuously engaging in the developmental and research efforts.

Tribes are one of the relevant marginalized groups in our country. their cultural, linguistic psychological structure and back ground is interesting area for Anthropologists and Sociologists.

Ancient period itself their exclusion started and gradually they are sidelined or marginalized from main stream life. Sociological and Historical factors which causes of marginalization and it create somany types of socio political and economic issues in our society. Stratification in society make tremendous consequences and drawbacks 'Sruthi' and 'Smrithi' of Indian thought created water light compartments in society and it create untouchables and unwanted divisions in society. Untouchables means they are surely discarding from general aims and objectives of society, but at the same time dominated groups has utilize those sects for their material development and progress. In Indian context the material contribution of untouchables and marginalized groups are the benefit of dominated stratas asset and benefit. During the period of local rulers and kings the situation is purely against marginalized or Dalits. Most of the Indian rulers are compelled to follow the rule and low of caste oriented regulations.

The structural constraints of Indian society is a adventurous challenge to the aboriginal peoples. Dominant castes or groups make rules and regulations for their own benefits from centuries, these rules are now also grab these groups from socio economic and educational developments. Education, a tool for modernizing the backward and downtrodden groups. Caste oriented Indian society itself creates constraints and challenges to our society, through multiface theories and activities humanizing the society is the responsibility of the time. From the colonial rule the Europeans made so many progressive and modern steps through rules and regulations implementations man making process of education by Europeans and other rulers gave an effective and advancing ranking of eradiction of illiteracy and untouchability from our society. European rulers made somany types of attempts for make our society a progressive one. 18th and 19th Centuries are the Centuries of renaissances and reformation among tribes of India. Somany types of renaissance movements, it creates a deep and sensible awareness among society.

Due to these efforts from various sides ie. colonial rulers, leaders of renaissance and medias the process of moderization accellorate and downtrodden groups and dominated groups were introspected and gradually they had changed their attitude and mental structure in to a modern way. Aspirational change of aboriginals is a positive and progressive one and it make larger scale and long term results in the developmental educational and economic aspects of society. Societal attitude is a positive signal in the development of tribes and downtrodden section. Disparities on the base of caste is a curse of our society. Sociologists in Globally and unanimously agreed that developmental issues of aboriginals are the key and pivotal issues of social development. Developmental ratings of nations is measuring through how far the receiving and fulfill the objectives of visionaries, or policy makers. Human resource development and utilization of allied resources are the milestones in developmental tasks of modern world.

Anthropologists considered the issues of aboriginals are too

many complexities and contradictions. Most of Anthropologists considered their external features and physiological peculiarities, but in the real sense their basic issue is entirely differ from that of theoretical aspects and approaches. Theoretical approaches and practical aspects are the thrust area of aboriginal issues. Manmaking process of education and developmental questions are a unified attempt of a welfare state. Welfare of people is directly related to the attainment of education.

This is the situation that leades to conduct a study on the multiple intelligence and educational achievement of aboriginals. Haward Gardner's Psychological inventions and practical approaches made a new and modern awareness to academic world, academicians and researchers are in unanimous view that various levels and types of intelligences that markout at a time in each and every individual. But it is a very strainfull effort to identify the intelligence of verious persons.

### **Objectives**

1. To create a critical awareness among teachers.
2. To familiarize the modern psychological principles to the teachers and parents.
3. To interrelate the modern psychological principles and theories in a new content.
4. To address the educational issues of aboriginals in the light of modern Psychology.
5. To redesign the intelligence theories and learning issues of tribes.
6. To familiarize the multiple intelligence theory and learning problems of aboriginal learners. Multiple Intelligence and Teaching Learning Process.

Howard Gardners notable theory regarding intelligence is a milestone in teaching learning process Gardner not only concentrated on human intelligence but also on animal intelligence and its functioning. Whatever may be the style of functioning of human intelligence and its relation in learning According to educational Psychologists learning is not a single unit function of brain and allied organs, but a neuro muscular connectivity and coordination is necessary for acquiring any information in and around of his situation.

Category vice intelligence classification is a novel concept by Gardner. Howard Garner identified various types of intelligence in human being Bodily kinesthetic, logical musical, intrapersonal and intrapersonal are the relevant items. His categorization made a remarkable change in the field of education and transaction of knowledge. Some of the basic intelligences that functions in human is a quality of acquiring information from surroundings. In some individuals some type of these intelligences are varied and their rating is differ from one person to another one. However these type of intelligences are surely determine the quality and quantity of content. There is no need to explain in huge volumes of language, the functioning of intelligences in learners. For example some learners acquire high speedily the matter and vice versa. Some of them are very efficient in kinesthetic intelligence activities, and others are very fluent in imagination and realization, and also in musical activities, this is varied from one person to another, that is the core essence

of multiple intelligence by Howard Gardner.

Multiple intelligence is a supporting factor of teaching and learning anywhere, learner's quality of intelligence which determine the speedy acquisition of knowledge and its utilization. Gardner not only concentrate on knowledge acquisition but also in the utilization of acquired knowledge is his area of interest.

### **Multiple intelligence and aboriginal learners**

Aboriginal learners are in general a first generation group, because of that the implementation of the possibility of Gardner's theory is very interesting and useful. These learners is in vivid manner capable of utilize their inmate qualities and intelligentsia in their learning activities. Their heredity and environment is in positive to modern psychological theories of learning and instruction. Current psychological experiments and findings proved that learners environment is influential nature in their learning and skill development. Natural talents and intelligence are highly influencing one among these aboriginal students. Our educational theories and principles which scientifically proved that these type of students are very efficient in learn and practise new and variety ideas. Here we explore few important intelligences and its usefulness in aboriginal learners.

### **Naturalistic Intelligence and Aboriginal learners**

Aborigin it self means they are the primitive human being in the universe and they are in depth sense interrelated to nature. Aboriginal people are the original inhabitants of glob and in life style they follow the rules and unwritten norms of natural powers. Primitive culture insist the inhabitants to follow the rule of nature and they respect, obey and follows that rule. Rivers, trees, rocks and species also are the worshiping forces of aboriginal groups. In history they only consume very little from nature or for, only day to day life.

This is a basic concept and motivation for educationist to utilize the naturalistic intelligences possibilities in teaching learning process.

According to naturalists nature alone is the perfect teacher, and nature alone can teach and guide everyone in the perfect sense. So we can utilize the naturalistic intelligence of aboriginals in their learning activities. Through the direct and firsthand interaction to natural powers aboriginal learners are very keen interest in observe the natural phenomena's and peculiarities in a micro manner. Through this method we can very easily teach the aboriginals in an adaptive manner. Adaptation contradiction is a reality in aboriginal education.

### **Spatial Intelligence and Aboriginals**

Howard Gardner's notable finding about intelligence is about the skill of spatial intelligence of individuals. This is the ability of individual to locate places in the globe or land. Ability of individuals to identify, locate and separate similarities and peculiarities of places they need.

Aboriginals are the original inhabitants of their own geographical areas. Because of these peculiarity these people can identify the places they needed. However this is an intelligence to locate the places and relevant locations in surroundings. From ancient time itself travellers especially ocean travellers are very eager to identify their sea routes.

Megallan, Columbus and other famous travellers are the forefathers in the field of ocean travellers. They are also very efficient in spatial intelligence in one sense but in that time psychologists or scientists do not identify this intelligence as spatial intelligence. But in history important roads, sea routes finders mountain climbers are from aboriginals. This reality indicates that aboriginal peoples are very deepest skill in spatial intelligence.

Due to the modern research in psychology and education, which showed that there is eternal chances or possibilities to utilize aboriginal's spatial intelligence ability. From the Medieval period itself in our nation various dynasties engaged in war for geographical areas through power and domination. From that period itself various Kings and power brokers were utilize these people's intelligence in make roads, secret roads, ghat roads, sea routes etc. As per the educational sense aboriginals are illiterates or ignorant but they had the knowledge to identify one place to another place, and how can easily connect the accessibility or one place to another. Their genuine knowledge and experiences which helps them to do this tasks in very well manner. Modern education gradually make changes in the attitude of common people to analyze the skill and efficiencies of literates and illiterates. As per these scientific evidences aboriginal's this efficiency is one of the important intelligence and it is useful in their learning activity. Spatial intelligence makes easy way of learning strategies to found out difficult patterns. Difficulty of one task is varied from one person to another one, and it is determined by the strategy in one extend.

### **Musical intelligence and education of Aboriginals**

Goward Gardner in his theoretical approach successfully establish each and every intelligence's depth and possibility in teaching learning process. Intelligence is not only for learn but also to teach instruct, the matter in a systematic and scientific way. Gardner at first concentrated on basic intelligences of man and after all he developed other intelligences. Musical intelligence is one of the basic intelligence and its relevance is unaccountable in the performance of learner.

From the birth itself man is blessed with the skill of music and it's allied tastes. The taste of music and rhythmic sense which create a larger and deep interest in understand the minute and micro level functioning of science and mathematical issues. Divisions and co-ordinations of scientific functioning is directly related to music. According Indian Philosophers our universe itself has a rhythmic and musical inner sense to move and its functioning. In our Hindu mythology rhythm or musical sense is one of the very important sensing spirit of man to adopt all the things around us.

But is Science and Psychology musical intelligence is directly related to our own scientific development. In related to musical intelligence it is very interesting in educational implications. Modern education is based on paedocentric concepts and supported by Philosophical, Sociological, Psychological and Pedagogical theories. These theories are relevant and base for pedagogical purposes. However theories are the basis of any approach, theoretical analysis and practical implementation are co-insided for the successful practice for new concepts in science. Scientific ideas

originated from well arranged ideological constructs in a minute way. So the musical intelligence concept and its theoretical construct gave a new and revolutionary concept in teaching learning strategy. As it is considered that musical skill of man and its contribution in education is an ancient successful gatha in history. From the very beginning of history music and development of man is directly related. Musical intelligence is the intelligence which is useful for acquire or receive information from surroundings and nature to support for learning. Learning took place only when the positive or favorable situation is suitable. So music and its allied sources it creates a highly suitable situation for learning. Music which is suitable for create concentration and some times it is suitable for create group spirit and unity. When we hear or participate a music function in an 'Ashram' or Divine Centre it create a suitable situation for contemplation but at the same time a war bugle creates another feeling that is unity and forcing spirit to it's participants. It is very useful in learning and teaching.

We here only discuss very relevant and important intelligences also too discuss, but, it is not necessary to discuss all intelligences a detaild way.

### **Recommendations**

1. As far as possible utilize various intelligences possibilities in teaching learning process.
2. To inter relate with intelligences and need of learner.
3. To create a Paedocentric approach in teaching it is necessary to utilize multiple intelligence in pedagogical approach
4. It is necessary to create a positive situation in designing text books with the support of multiple intelligence approach.
5. To identify the individualized instruction it is necessary to utilize the possibilities of multiple intelligence.

### **Conclusion**

Learning is an individual and joint process. Paedocentric approach is focus on learner not teacher. If we facilitate an opportunity for each student to think and act in a vibrant way it surely create effective and fruitful. Cognitive Metacognitive and constructive approaches are ever sizing cells in pedagogical approaches. Constructive pedagogy and critical pedagogy also supporting sources in multiple intelligence approach. in this approach we give due importance to learner and learner centred approaches. Multiple intelligence pave way for new approaches in paedocentric stream. Learner centred is not only learner centred but skill centred or intelligence centred. Intelligence and skill of intelligence is deeply interrelated and it is the base of paedocentric approach. Howard Gardner and his theoretical construct realy concentrated on the basic skill of individual. Aboriginal learners are highly skill oriented in any aspect, their skill and intelligence is the source of learning. So we can promote them to acquire new and variety knowledge through multiple intelligence for their individual and social development.

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