



## Analysis of student psychology and thought adopting capacity based on fuzzy logic modeling

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### Abstract

Human brain is working on genetic and biological technology. Human psychology is completely based on thoughts adopting or grasping and captivating these according to previous knowledge or information. Surroundings and lively environment is also help full to change the narrowness of thoughts of a student and his/her behavior. In this work advance mathematic means fuzzy logic is used to crystallize the appropriate or exact thought for adopting, understanding and upgrading the level of thought in a student. The inference engine of fuzzy logic is useful to avoid vague information and to get the reliable output after synchronizing the plenty of thoughts.

**Keywords:** adopting thoughts, synchronization of thoughts

### 1. Introduction

Modern technology is called artificial technology which is developed by conceptualized human brain while biological and genetic technology is very old as human life. From thousands of year human perceives different types of thoughts from this environment or nature. These thought are changing the living level, society rules, and thought adopting power of human brain due to adopting and nurturing nature of human being according to demand or needs to identify the issues or problem. Identification issues by human brain is the level of understanding and it is one category of human life to perceive thoughts and process it on the basis of supervised and unsupervised learning. Supervised learning is process on which a human can learn the things under supervision of existing human. The student learning practices and adding surrounding information from natural and un natural things and thee can be affected by real life up, down situations. Sometimes human got infer knowledge from and adding up

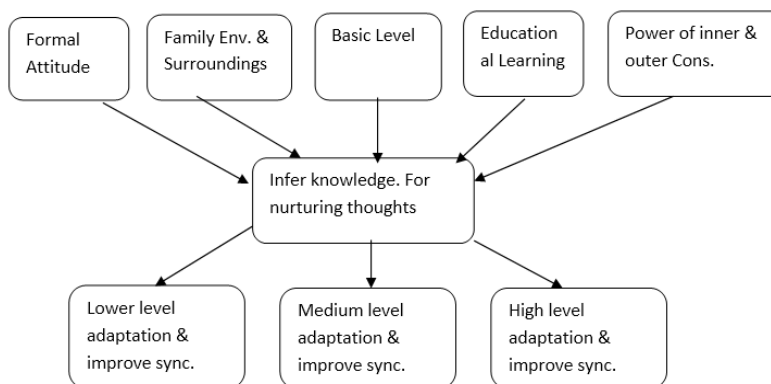
their background knowledge to update information of understanding <sup>[1]</sup>.

### 2. Research Objectives

The purpose of this work to identify thought adopting level, thought nurturing level and reducing the dilemma of understanding level of a common student. Fuzzy logic approach is able to recognize and crystallize thought developing capacity of a student based on the following parameters

- Formal Attitude (necessary for learning)
- Family environment & surroundings ( by birth)
- Basic understanding level (genetically developed)
- Educational life & learning (secondary learning)
- Power of inner and outer consciousness (in built power based on previous life)

The conceptual structure of thought nurturing and adopting level



**Fig 1:** Conceptual structure adaptation & improve synchronization

In figure. 1 According to conceptual structure human brain adding the thoughts and find the improve synchronization means up gradation of thoughts level <sup>[2]</sup>.

### 3. Fuzzy rule base

A set of fuzzy rules are used to describe the thought perception by the common human. The level of adoption can

be categorized on the basis of level of understanding. The capacity of brain understanding level will be definitely depends on previous knowledge or meaning full information including level of education and residing environment of a person. The necessity parameters are basic knowledge (level of education), family background, learning practice, adoptability of information, processing of information [3].

**3.1 Fuzzy modeling process**

This section is important to understand the extraction from the processed information and infer knowledge. The proposed solution is a five step process

1. Identifying the background information and categorized it on a scale of 7.
2. Level of knowledge can be categorized on the basis of

behavioral language and education level.

3. Learning practice in a routine life and level of learning
4. Adoptability of information like technicality of information up to the depth approach or only understanding the processing of devices [4].
5. Adopted information converted into processed meaning full information for upgrading and storing the advance level of information.

In order to recognized the background information on a support vector machine from 0 to 7. The following table shows a lower accuracy in identification of multi-level information [5]. As the number of available states will be in the following tables

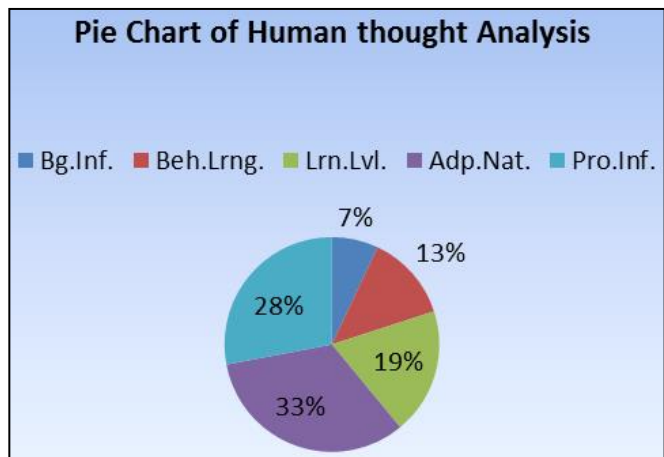
**Approximate values**

**Table 1:** Selected and Detected category

Selected category	Detected category						
	Lower	Medium lower	Medium medium	Medium upper	Upper lower	Upper medium	Upper lower
Lower	0.34						
Medium lower		0.47					
Medium medium			0.52				
Medium upper				0.85			
Upper lower					0.87		
Upper medium						0.77	
Upper lower							0.69

This fuzzy model is able to categorize the human understanding on the basis of background of his/her level of understanding and learning practice. These rating categorized on the basis of level of detected category.

overall learning practices [8]. Synchronization of thoughts is the final part of processed information and improved understanding level of thoughts.



**Fig 2:** Category of human thoughts

Figure 2 shows category of human thoughts. Fuzzy cluster can be used to identify the pattern of thought information generation [6]. The Pie chart is showing the tendency that processed information can be improved if a student can adopt a better thought definitely is the part of its learning level [7]. The learning is playing a major role to understand the student mentality of adopting the thoughts. The adopting nature is 33% which the big part of overall learning practices of human thoughts. Background information or basic level played 7% of

**4. Future Scope**

The future scope of adopting the thoughts and improving the learning capacity of human brain will be sub categorized into more depth and further identifying more sub categories. Sub categories can be influenced by the main or super category or it can be separated on the basis of narrow thoughts. The overlapping of thoughts from narrow to broad band is help full to infer the knowledge and synchronization of thoughts. This will be the future work to identify the synchronization streams.

**5. Conclusion**

The outcome of this research work is showing the nature of human adopting thoughts is majorly depends on behavioral nature and adopting the level of thoughts. The crucial factor is synchronization of thoughts. Adopting nature is a natural habit of human brain but still it is depends on the working level of human brain and its environment. The understood behavior of human brain is help full to synchronized the thought in appropriate manner.

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