Cognition in human life is very essential to carry out the operations of an individual. Knowledge is a fundamental unit of a human cognition. Human cognition is very important to generate the intellectual properties for the purpose of human construct. Therefore, knowledge, cognition, construct, intellectual property etc. are interrelated aspects. Those aspects are required to carry out the psychological operation to assure the psychological wellbeing of an individual. The term ‘Prospects’ is basically used to specify the reflection of something. In this case, Cognition Prospects means the reflection or exploration of psychological qualities among all activities performed by an individual. The reflection of psychological qualities in the sectors of humanistic operations is very important to make a society with the qualities of prosperities. In present study, researcher has intended to specify nature of cognition prospects in different academic activities performed by the individual learner. Uttar Dinajpur District is one of different educationally backward district in the province of West Bengal. For determining the nature of cognitive reflection, researcher has designed the present study. 200 secondary students have been selected to carry out the present study. Uniformity in respect to the cognition prospects in terms of different strata has been perceived at the end of study. Locality wise significant mean difference has been found. At the end of the study, researcher has interpreted that cognition prospects is slight higher among urban secondary students than rural students; similarly, among the girl secondary students cognition reflection has been higher than male students.
1. Introduction
Knowledge is power to produce intellectual resource and to make the life to reach the premium goal of life. It is a unit of human cognition by which a lot of new concepts have been constructed or developed in different times in different scholars in all over the world. Pioneer of the prosperous society was the example of the owner of intellectual properties. They have created the psychological fields in respect to the valuable constructs. They were able to reflect different psychological qualities in their activities. Therefore, a cognition prospect is very essential to develop new idea for fulfillment the targets of prosperous civilization. Human cognition is a mechanical and psychological operation of an individual by which one can perceive or store data from the external world and also can explore new idea or concept for discovering own self or inventing something. It has different operational perspectives related to the different psychological states of human life. Different operational aspects and their applicability of concerned facts are basically considered as the cognition prospects in the present study. Cognition prospects mean the reflection of cognitive features in the practical field both intentionally and spontaneously. Information related to the facts when processed in the structure of human psychology, knowledge is processed as a unit of human mind. On the basis of practical applicability of knowledge, human experience has been developed; similarly, premium exercise of that experience will be converted into Pragya or wise. That higher extent of knowledge will be used as a light within the environment of human psychology. It is very important to reduce or to omit the base of psychological as well as affectional ignorance i.e. illiteracy or Agyanta. Therefore, cognition prospect is important to each individual existence of all over the world. Information related to the actual nature of human cognition will be considered as a helping thing to develop the policies in respect to the human resources. In present study, researcher has desired to determine the actual features of cognition prospects of secondary students of backward district of West Bengal. On the basis of that expectation, present research has been designed.

2. Objectives Of The Study
There are some specific objectives associated with the present study. After completing this study, researcher has intended –

- To measure the descriptive nature of cognition prospects.
- To determine strata wise mean difference in respect to the cognition prospects.

3. Assumption Of The Study
On the basis of background study of the corresponding variable, it has been assumed that there must present some specific descriptive nature related to the variable of the current study. It also been assumed that due to the principle of individual difference; various types of mean difference will be observed in the present study.

4. Hypotheses
On the basis of hypothetical thinking ad also thinking associated with the assumptions of the study, following hypotheses have been followed.

→ \( H_1 \): There exists no significant gender wise mean difference in respect to the cognition prospects.

→ \( H_2 \): There exists no significant locality wise mean difference in respect to the cognition prospects.
5. Research Procedure
In present study, descriptive or normative survey techniques have been used; on the basis of some predetermined index, corresponding research process has been implemented.

5.1 Problem of the Study
Cognition prospect of secondary students of Uttar Dinajpur district has been considered as the research problem. Is the variation exists among the students or not? This question has emphasized to rethink the situation on the basis of research context.

5.2 Data Identification
To carry out the present study, response to each item related to the cognition prospects has been considered as the data of present study. Response of individual students has been converted into data for further analysis.

5.3 Tool Description
A scale has developed and standardized properly in this purpose. Cognitive Prospects Scale has been used in this regard. Some specific dimensions have been followed to construct the tool.

5.3.1 Dimensions
Corresponding dimensions have been followed.

1. Cognitive Prospects related to understanding
2. Cognitive Prospects related to control cognitive process
3. Cognitive Prospects related to monitor cognitive application
4. Cognitive Prospects related to conceptualize cognitive nature
5. Cognitive Prospects related to fulfil cognitive needs

5.3.2 Standardization of the tool:
Reliability of the tool has been found on the basis of test-retest method and also through Cronbach Alpha. Content Validity through expert judgment has been found. By developing a specific scoring key, objectivity of the test has been determined. Different norms have been used to interpret the meaning of raw score. Percentile, t-score, Z-score etc., has been considered as some specific norms of the test.

6 Analysis & Interpretation
Through administering the corresponding test, the relevant data has been analyzed and corresponding result has been interpreted.

6.1 Descriptive Analysis of Cognition Prospects:
Corresponding descriptive analysis of Cognition Prospects of secondary students is

| Table: 1. Descriptive Analysis of Cognition Prospects of Secondary Students |
|-----------------|----------|----------|----------|----------|----------|----------|
|                 | N       | Minimum Statistic | Maximum Statistic | Mean Statistic | Std. Error Statistic | Std. Deviation Statistic |
| CPUB            | 50      | 92.00     | 157.00     | 118.7400     | 2.48732    | 17.58804  |
| CPUUG           | 50      | 90.00     | 160.00     | 123.6000     | 2.82727    | 19.99184  |
| CPRB            | 50      | 83.00     | 143.00     | 110.8800     | 2.02064    | 14.28806  |
From the above analysis, researcher has identified some aspects of cognition prospects of secondary students. Higher level of cognition prospects has been identified in among urban girl secondary students and lowest prospects in rural boy secondary students. But, least difference between highest and lowest mean score has been found in this segment of study. Value of Stander Error of the Mean is very little by which it has been interpreted that the corresponding frequency distribution has followed the features of normality in respect to stratified analysis of said variable. Deviation of individual score from the gravity point of the distribution is very low in the case of rural boy secondary students; but, higher has observed in the segment of urban girl secondary students. Average reflection of cognitive qualities has been identified in the urban girl sample than urban boy secondary students; cognition prospect is higher in rural girl than rural boy secondary students; locally in urban students more reflection has been observed than rural segment of study; on the basis of gender girl secondary students have explored the cognitive qualities in action than boy secondary students respectively. Corresponding descriptive features have been presented below.

![Figure 1: Strata Wise Mean Value in respect to the Cognition Prospects](image-url)
From this figure, it has been specified that status of mean value of urban girls secondary students in respect to the cognition prospects has been found higher in measuring scale; similarly, mean value of rural boy secondary students has been found lower in nature.

![Standard Error of the Mean](Image)

**Figure 2: Strata Wise Standard Error of the Mean in respect to the Cognition Prospects**

Standard Error of the Mean has specified the strata wise reliability of descriptive score in respect to the cognition prospects. Lower level of SEm has found in the case of rural students which has specified the more trustworthiness of raw score of the said distribution; similarly, higher level of SEm has specified the less authenticity of the corresponding distribution than other strata of the study.

![Standard Deviation](Image)

From figure no.3. It has been specified that slightly higher level of fluctuation of individual score has been observed in the case of urban girls secondary students. Slightly less fluctuation has been found in the case of rural boy secondary students.

**6.2 Analysis of Strata wise Mean Difference**

In this segment of study, researcher has conducted the approaches to study the strata wise mean difference within the inferential study of cognition prospects and academic achievement of secondary students. The corresponding view of mean difference has been presented below.
### Table 2: Analysis Strata Wise Mean Difference of Cognition Prospects of Secondary Students

<table>
<thead>
<tr>
<th>Paired Differences</th>
<th>Mean</th>
<th>Std. Deviation</th>
<th>Std. Error Mean</th>
<th>95% Confidence Interval of the Difference</th>
<th>t</th>
<th>df</th>
<th>Sig. (2-tailed)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pair 1</td>
<td>CPUB - CPUG</td>
<td>-4.86000</td>
<td>26.96105</td>
<td>3.81287</td>
<td>-12.52225</td>
<td>2.80225</td>
<td>-1.275</td>
</tr>
<tr>
<td>Pair 2</td>
<td>CPRB - CPRG</td>
<td>-2.68000</td>
<td>21.54960</td>
<td>3.04757</td>
<td>-8.80433</td>
<td>3.44433</td>
<td>-0.879</td>
</tr>
<tr>
<td>Pair 3</td>
<td>CPU Rurban - CPRural</td>
<td>8.95000</td>
<td>23.74161</td>
<td>2.37416</td>
<td>-4.23915</td>
<td>13.66085</td>
<td>3.770</td>
</tr>
</tbody>
</table>

By observing the above table of mean difference, researcher has identified that significant mean difference has been existed in the case of pair 3 i.e. locality wise difference of cognition prospects; but, other cases insignificant mean difference has been identified. Locality has played an important role in the case of cognition prospects.

### 7. Conclusion

At the end of the study, researcher has concluded that significant difference between the urban and rural secondary students in respect to the cognition prospects have existed. Students of urban areas are more abled to reflect the cognitive aspects on the basis of practical situation than rural secondary students. Through inferential analysis of the data, researcher has observed this natures of the variables.

### 8. References


About Author:

1st. Dr. Bapi Mishra is an Assistant Professor, Department of Education, University of Gour Banga, Mokdumpur, Malda, West Bengal. He is intended to discover the unidentified facts related to the different activities performed in the education system in all over the country. He was served as Assistant Teacher in Maniknagar High School, Beldanga, Murchidabad; was also served as Assistant Professor, Nahata J.N.M.S Mahavidyalaya, His area of interest to research the new thought or undiscovered facts. He is interested in Spiritual Exercises.

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