



Research Aptitude And Attitude In M.Ed. Students

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Abstract: Research aptitude and attitude are very important any master student as they have to go for teaching and research. Teaching and research are the part and parcel for the every faculty member of higher education. Aptitude and attitude skills are very important component to measure the competence to do a certain work at a certain level. Aptitude is a natural talent which can be improved or developed by giving proper training. The research paper helps to understand the need and awareness of research aptitude and attitude of M.Ed. students in Institute of Education, Bundelkhand University, Jhansi. For this research paper, researcher took a sample of 40 M.Ed. students by purposive sampling. By doing analysis of the taken data researcher comes to result that there is no significant association among research aptitude, research attitude and research work of the M.Ed. Students.

Key Words: Research Aptitude and Research Attitude.

I. INTRODUCTION

Research means to search for the existing thing 'something' that remains unknown to us. So, Research means finding out something new on a topic that already existed. Aptitude means a natural or acquired capacity of someone to learn something. Aptitude test means to test that ability. Aptitude is very necessary for the success of any person in particular field. Aptitude refers to a natural or acquired capacity or ability especially a tendency, capacity or inclination to learn or understand (Webster's Medical Dictionary, 2002). The teacher is a very important person in the field of education and research. Upon his shoulders organization of education is based. His scholarship, conduct and behaviors have a permanent effect on the students, because the student usually imitates his teacher. For young children he is the ideal. It is necessary for the teacher to be intelligent, polite nature and expert in his subject. Teacher is the main pillar in the practice of education. If he is competent, honest, achiever and confident, then we can be guaranteed of the nation's future. In case he is half hearted in doing his job, he cannot express himself and the nation cannot believe upon him. That is why

it is important to understand the study. The research paper helps to understand the need and awareness of research aptitude and attitude of M.Ed. students in Institute of Education, Bundelkhand University, Jhansi.

II. REVIEW OF LITERATURE

Abun Damianus et al, (2019), in their study on the attitude of graduate students toward research and their intention to conduct research in the future and observed that students' positive cognition toward research is high or agree and their negative cognition is low or disagree. In terms of their affection toward research, it is found that students' affection toward research is still considered high or agree and their disaffection toward research is moderate or somewhat agree.

Haron Hamdzum et al, (2018), in their study on the reasons concerning teachers' attitude toward computer in education at primary level and observed that the teachers' attitudes toward computers are positive; The teachers seem to have some confidence in using computers, tend to like computers, and perceive the computers as being useful and do not experience any anxiety.

Hussain Tariq et al, (2016), in their study on a study on attitude towards research among technology education students in Pakistan and found that students represented highest level of attitude in Research is Usefulness in their Profession subscale comparatively. However students dis-agreed that research is relevance to their Life. The overall attitudes of students towards research remained positive. There is significant difference found in Positive Research Attitude sub scale.

Jency E. Maria, (2016), examined in her study on a Study on Employee Attitude towards Organizational Change - with Special Reference to Siemens Ltd, Chennai and found that the employees are reluctant towards the adaptability of change and they are more resistance to change. So the management should be more intentional about the change and they should encourage feedback from the employees and opportunity to ask questions or provide suggestions as your organization moves toward change.

Paul Kakupa and Han Xue, (2019), in their study on Students' Attitudes towards Research: A Study of Graduate Education Students at a Chinese Normal University, and found that the attitudes of students were moderately positive. However, there were a number of variations observed, both within the dimensions of the attitude scale and between subject groups.

III. OBJECTIVES

To fulfill the aim of this paper, the following objectives were formulated-

1. To analyze the research aptitude and attitude from the different aspects it in M.Ed. Students.
2. To discuss the association among research aptitude, research attitude and the research work.

IV. HYPOTHESIS

In order to realize the objective of the study given above, the following null hypothesis was formulated:

1. There is no association among research aptitude, research attitude and the research work.

V. RESEARCH METHODOLOGY

The researcher employed the Descriptive Survey Method of research for the collection of data regarding on research aptitude and attitude in M. Ed Students. Descriptive research study was designed to obtained pertinent and precise information concerning the current status of phenomena and whenever possible, to draw valid general conclusions from the facts discovered.

Sample: A sample of 40 M.Ed. Students will be selected purposefully from the department of Education. The sample consisted of both male and female students.

Tool: Appropriate tool like percentage and chi-square test were used to analyze the data as the variables are qualitative in nature.

VI. RESULTS AND DISCUSSION

To analyze the research aptitude and attitude from the different aspects it in M.Ed. Students, following table were used-

1. The observations of research is an interesting subject and it should be taught to all post graduate students has been found.

Table No. 6.1: Compulsion of Research for Post Graduate Students

S. No.	Options	Responses	Percentage
1.	Strongly Agree	24	59%
2.	Agree	14	34%
3.	Neutral	02	07%
-----	Total	40	100%

Source: Primary Data

Inference: Out of 40 research scholars 93% of the M.Ed. Students were agreed and strongly agreed about research is an interesting subject and it should be taught to all post graduate students and 7% of the M.Ed. Students were neutral. We may conclude that research must be taught to all post graduate students to aware and create the interest.

2. The observations of research oriented thinking plays an important role in our daily life has been found.

Table No. 6.2: Research Oriented Thinking in Daily Life

S. No.	Options	Responses	Percentage
1.	Strongly Agree	21	53%
2.	Agree	15	38%
3.	Neutral	02	05%
4.	Disagree	02	04%
-----	Total	40	100%

Source: Primary Data

Inference: From the above table, it may be observed that 38% of the M.Ed. Students agreed, 53% of the M.Ed. Students were strongly agreed, 5% of the M.Ed. Students were neutral and 4% of the M.Ed. Students were disagreed about the research oriented thinking plays an important role in our daily life. It means it

shows the depth of the research aptitude of the M.Ed. Students.

3. Under the analysis of research aptitude, the observations of most of research scholars take benefit from research because the research makes them sincere and directly connect to their core field study has been found.

Table No. 6.3: Benefits of Research and Connection to the Core Field

S. No.	Options	Responses	Percentage
1.	Strongly Agree	17	42%
2.	Agree	18	44%
3.	Neutral	05	14%
-----	Total	40	100%

Source: Primary Data

Inference: Under the analysis of research aptitude and attitude, out of 40 research scholars 86% of the M.Ed. Students were agreed and strongly agreed about most of M.Ed. Students take benefit from research because the research makes them sincere and directly connect to their core field study and 14% of the M.Ed. Students were neutral. We may conclude that most of M.Ed. Students take benefit from research because the research makes them sincere and directly connect to their core field study.

4. Under the analysis of research aptitude and attitude, the observations of the skills researcher have acquired in research would be helpful to them in future has been found.

Table No. 6.4: The Skills of Research helpful in the future

S. No.	Options	Responses	Percentage
1.	Strongly Agree	19	49%
2.	Agree	18	44%
3.	Neutral	03	07%
-----	Total	40	100%

Source: Primary Data

Inference: Out of the 40 M.Ed. Students, around 93% of M.Ed. Students were agreed and strongly agreed about the skills researcher have acquired in research would be helpful to them in future and 7% of the M.Ed. Students were neutral. We may conclude that the skills of M.Ed. Students would helpful in future.

5. Under the analysis of research aptitude and attitude, the observations of I will employ research approaches in my profession has been found.

Table No. 6.5: Employ of Research in Profession

S. No.	Options	Responses	Percentage
1.	Strongly Agree	16	41%
2.	Agree	19	47%
3.	Neutral	05	12%
-----	Total	40	100%

Source: Primary Data

Inference: Out of the 40 M.Ed. Students, around 88% of M.Ed. Students were agreed and strongly agreed about employment research approaches in their profession and 12% of the M.Ed. Students were neutral. We may conclude that M.Ed. Students would employ research approaches in their profession.

6. Under the analysis of research aptitude and attitude, the observations of I am inclined to study the details of research procedures carefully has been found.

Table No. 6.6: Study of Research Procedures

S. No.	Options	Responses	Percentage
1.	Strongly Agree	17	43%
2.	Agree	19	47%
3.	Neutral	04	10%
-----	Total	40	100%

Source: Primary Data

Inference: Out of the 40 M.Ed. Students, around 80% of M.Ed. Students were agreed and strongly agreed about inclined to study the details of research procedures carefully and 10% of the M.Ed. Students were neutral. We may conclude that M.Ed. Students inclined to study the details of research procedures carefully.

7. Under the analysis of research aptitude and attitude, the observation of research scares me and feel very insecure in the analysis of data has been found.

Table No. 6.7: Research Scares and Insecurity in Data Analysis

S. No.	Options	Responses	Percentage
1.	Strongly Agree	06	14%
2.	Agree	09	23%
3.	Neutral	09	22%
4.	Disagree	10	26%
5.	Strongly Disagree	06	15%
-----	Total	40	100%

Source: Primary Data

Inference: Out of the 40 M.Ed. Students, around 35% of M.Ed. Students were agreed and strongly agreed

about research scares them and feel very insecure in the analysis of data, 22% of the M.Ed. Students were neutral and around 41% of the M.Ed. Students were disagreed. We may conclude that research scares them and feel very insecure in the analysis of data.

Testing the Hypothesis

H₀:	There is no association among research aptitude, research attitude and the research work.
H_a:	There is significant association among research aptitude, research attitude and the research work.

Table No. 6.8: Research Aptitude, Research Attitude and Research Work

S. No.	Research Aptitude and Research Attitude	The Research Work		
		Agree	Disagree	Total
1.	Agree	18	12	30
2.	Disagree	05	05	10
-----	Total	23	17	40

Source: Primary Data

$$\text{Chi - Square Value } (\chi^2) = \sum \frac{(f_o - f_e)^2}{f_e}; f_o = \text{Observed frequency}; f_e = \text{Expected frequency}$$

Particulars	Level of Significance	Degree of freedom	Chi-Square Value
Calculated Value	5%	1	0.55
Table Value	5%	1	3.84

Analysis and Inference: Since the nature of the variables are qualitative in nature, hence in order to prove the hypothesis, Chi-Square Test (χ^2) has been applied and calculated value of Chi-Square at 5% level of significance, 1 degree of freedom was **0.55**. The Table Value of Chi-Square at 5% level of significance, 1 degree of freedom is **3.84**. Since Calculated value of Chi-Square is less than the Table Value of Chi-Square, hence null hypothesis may be accepted and alternative hypothesis may not be accepted. We may conclude that there is no significant association among research aptitude, research attitude and research work of the M.Ed. Students.

VII. CONCLUSION AND SUGGESTIONS

The study presented the following conclusions on the basis of the above analysis-

1. Research must be taught to all post graduate students to aware and create the interest.
2. The observations of research oriented thinking plays an important role in our daily life has been found.
3. Most of M.Ed. Students take benefit from research because the research makes them sincere and directly connect to their core field study.
4. The skills of M.Ed. Students would helpful in future.
5. M.Ed. Students would employ research approaches in their profession.
6. M.Ed. Students inclined to study the details of research procedures carefully.

7. Researches scare M.Ed. Students and feel very insecure in the analysis of data.
8. There is no significant association among research aptitude, research attitude and research work of the M.Ed. Students.

On the basis of findings and conclusion of this study the following recommendations were made.

1. Teachers should encourage M.Ed. Students about getting awareness and familiarity about importance of research.
2. Teachers should provide counseling and guidance to M.Ed. Students about research issues.
3. Research workshops, symposia, conferences and seminars should be conducted to inspire M.Ed. Students for genuine research projects.
4. Teachers should focus on implementation of rules and regulations set by higher authorities in order to develop the interest of M.Ed. Students toward research.

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