Declaration

I do hereby declare that this Ph.D. research work entitled "***Achievement in Mathematics in relation to Intelligence and Socio-Economic Status of Secondary School Students in Tripura : A Critical Study"*** submitted to Assam University for the partial fulfilment of Ph.D. Degree is a result of the work done by me under the proper guidance and supervision of Professor N.B. Biswas, Dean, Ashutosh Mukhopadhyay School of Educational Sciences, Assam University, Silchar.

I further declare that, to the best of my knowledge this Ph.D. research work has not been previously submitted by me or others either in this or any other University or Institute for any other Degree or Diploma or fellowship.

Dated, Silchar **(Manimoy Pal)**
The September, 2017

Preface

The development in education of a state or a country depends on its basic education. First step of basic education in the sense of public examination is Secondary Examination (Madhyamik Examination) conducted by different boards, state or central (in Tripura, Tripura Board of Secondary Education).

From the source of Tripura Board of Secondary Education, it is found that the performance of students in mathematics at secondary examination is very poor. Maximum numbers of students are getting poor marks in Mathematics. But subject Mathematics has a great role for the development of a child. In every aspect of life basic mathematics is important.

The subject mathematics occupies very important place in the school curriculum at secondary level. Mathematics is a compulsory subject at secondary level.

So it is very important to study the student's performance in Mathematics at Secondary Examination conducted by Tripura Board of Secondary Education so as its conditioned can be improved.

Achievement in Mathematics depends on different social and psychological factors. The present study investigated to what extent socio-economic status and intelligence are related to achievement in mathematics in Tripura at secondary level.

There may be some limitations but the researcher expects that this study would throw a light to make some significant contribution for the development of achievement in mathematics at secondary level of Tripura.

Manimoy Pal

Acknowledgement

Research is a journey which is full of challenges as well as joy. So many obstructions have come but when these obstructions were overcome there is an enjoyment. This journey of research cannot be completed successfully without cooperation of different persons as well as organisations. At the very outset, I take the opportunity to convey my heartiest gratitude to those persons whose co-operations, suggestions and support prove the way for the accomplishment of my work successfully.

The researcher sincerely and respectfully express his deepest gratitude to the supervisor Professor N.B. Biswas, Dean. A.M. School of Educational Sciences, Assam University, Silchar for his valuable guidance, untiring supervision and constant encouragement throughout the research work. It was a great opportunity to work under him who had always made himself available to the researcher and extent his support.

The researcher expresses his deepest gratitude and best regards to Professor Tarak Nath Pan, Professor of Education, Vidya-Bhavan, Visva Bharati who has contributed at different stage and encouraged continuously.

The researcher is indebted to Mr. Nijoy Kumar Paul for his continuous support and valuable suggestions which help to complete the research work.

The researcher is also indebted to Dr. Hillol Mukherjee for his valuable suggestions and contribution to complete the research work successfully.

The researcher shows his gratitude to Mr. Susanta Kumar Nath for showing the right path to complete the research successfully.

I have the privilege to record my profound gratitude to the Principal and all my learned colleagues of Institute of Advanced Studies in Education, Agartala for their sincere cooperation during the course of the study.

The researcher is thankful to the staff of Department of Education, Assam University for their sincere service.

The researchers express his indebtedness to the Headmaster, Headmistress and the teachers of different schools of Tripura.

The researcher acknowledges respect and gratitude to his parents, parents in law for their constant support and encouragement during the study.

The researcher earnestly thankful to his family members for the constant encouragement received from them with the work in the event of various odds. A mere expression of indebtedness would be insufficient for his wife Mrs. Mala Modak, son Malyaban Pal for their cooperation to complete the work right from the commencement.

Utmost effort has been taken to achieve the highest possible level for perfection. The lacunae of any in the research completely of the researcher.

Manimoy Pal

Contents

List of Tables

List of Figures