

## **Influence of Achievement Motivation on Secondary School Students' Achievement in Mathematics**

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### **Abstract**

Mathematics is a compulsory subject in the secondary school curriculum and is also necessary for studying different science courses in colleges and universities. Achievement motivation of a student is said to be an essential component for bringing in success or the attainment of excellence in mathematics. The purpose of the research was to study the effect of achievement motivation on mathematics achievement of secondary school students. 300 students of Class XI were selected by purposive sampling technique from Kolkata and PurbaMedinipur district of West Bengal. Data were collected using survey method. The Achievement Motivation Scale (n-Ach) developed by Deo and Mohan (2018) was administered to the sample and the scores of the students in Madhyamik Examination were taken as mathematics achievement scores. The obtained data were analysed through *t* test and ANOVA. The results revealed that there exists significant effect of achievement motivation on mathematics achievement of the rural and urban as well as the male and female students of the secondary stage. The findings further indicate that if a student is motivated towards his achievement, the level of mathematics achievement increases. The results of the present study has immense implications for educational planners, administrators, teachers, parents and above all the society.

**Keywords:** Achievement motivation, mathematics achievement, secondary students