

ABSTRACT

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Key Words: LEADERSHIP MODEL, HIGHER SECONDARY, MATHEMATICS TEACHERS, TEACHING STRATEGIES.

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Dissertation Title: A LEADERSHIP MODEL TO IMPROVE HIGHER SECONDARY MATHEMATICS TEACHERS' TEACHING STRATEGIES AT DINDIGUL DISTRICT, SOUTH INDIA.

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The purpose of this study was to develop a leadership model to improve higher secondary mathematics teaching strategies at Dindigul District, South India. The model was developed to enhance leadership style and teaching strategies. Qualitative and quantitative method was used for the study. A survey was used to collect the quantitative data from the secondary mathematics teachers and a literature review and an interview was held to collect qualitative data from the school leaders. For the quantitative data, statistical analysis was carried out to obtain the Mean and Standard Deviation. Multiple regression analysis was utilized to find significant variables. The qualitative data was analyzed using systematic literature review.

The leadership style a teacher possesses is one of the influential factors in students' learning, inspiration and output. Applying the type of suitable leadership style, in their teaching is very important. There are many different types of leadership styles. However, for this study, the researcher explored leadership styles. Exploring the review of literature, the researcher found the situational leadership style and transactional leadership style were used by the secondary mathematics teachers at Dindigul District, South India. Review of Literature

and interviews were conducted with eight school leaders who the researcher found to have teaching strategies based from review of literature and the interviews, the secondary teachers were used three kind of teaching strategies. A survey using the leadership styles questionnaire were distributed to a sample of one hundred fifty secondary mathematics teachers in Dindigul District. The current leadership style and teaching strategies were found to be moderately practiced by the higher secondary mathematics teachers. A model of leadership style for higher secondary mathematics teachers' teaching strategy was two parts: leadership style and teaching strategy. The new leadership model will hopefully be utilized by the higher secondary mathematics teachers, school leaders and the administrators.

