

## Innovative Tool for Improving Teaching and Learning

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**Abstract :** Every one of us seek to aspire to gain quality education. The biggest stake holders are students who labor through years acquiring knowledge and skill to help them prepare for their career. Parents spend a fortune on their children's education. Companies spend billions of dollars to enhance standards by developing new education products and services. Quality education is the golden key to a long lasting prosperity for the individual and the nation. But unfortunately, education standards are continuously deteriorating and it has become a global phenomenon. Unfortunately, teaching is often described as a 'popularity contest' and those teachers who are usually popular with students are often those who compromise teaching to appease students. Such teachers also 'teach-to-the-test' ensuring high test scores. Such teachers, hence, receive good student rating. Teachers who are conscientious, rigorous and thorough are often the victims of good appraisal. Government and private organizations are spending billions of dollars trying to capture the characteristics of a good teacher. But the results are still vague and inconclusive. At present there is no objective way to measure teaching effectiveness. In this paper we present an innovative method to objectively measure teaching effectiveness using a new teaching tool (TSquare). The TSquare tool used in the study is practical, easy to use, cost effective and requires no special equipment to implement. Hence it has a global appeal for poor and the rich countries alike.

**Keywords :** measuring teaching effectiveness, quality in education, student learning, teaching styles

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