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ABSTRACT

16. Astounding Indian Intellectual Tradition of Vedic Mathematics as a Febrifuge for Mathematics Anxiety - Application of ‘Antyayordashake’pi’ Sūtra by Dr. Smitha S, Sree Narayana Training College, Thiruvananthapuram

Mathematics anxiety creates stumbling blocks in mathematics education among students. Teachers must learn how to effectively alleviate these problems using the most current research and best practices. It is found that mathematics anxiety can be treated with direct interventions such as relaxation therapy, or indirectly, with teaching style and cooperative learning. The present study test the effectiveness of Indian Intellectual Traditions of Vedic Mathematics as the best tool in reducing mathematics anxiety among the selected sample of First year Engineering students. The tools used for the study were (1) A Vedic Mathematics study Package consisting of select sūtras of ‘Ekādhikena Pūrveṇa and ‘Antyayordashake’pi’, (2) Mathematics Anxiety Rating Scale (MARS), Working Memory Capacity Test and (3) Computational Speed Test. The findings of the study emphasize the immediate inclusion of Vedic Mathematics applications in the present curriculum for grooming our students in order to achieve success in their future life by completely reducing their mathematics anxiety which is the basement of their skill in computation and decision making. The present paper tries to create awareness about the vast potential of the Vedic/Ancient Indian Mathematics.