

## **PATTERN RECOGNITION OF CHILDREN STORIES WITH SPECIAL REFERENCE TO “JACK TALES”**

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### **ABSTRACT**

This paper presents a study for two languages, namely Indian and European. The main objective of this study is to pattern recognition of children's stories with special reference to Jack tales, in order to find the distinction among these languages. We consider only the Jack tales, because, they have the same type of ideology among the characters of the stories. In this article, Jack tales are classified into two categories, namely Indian (Assamese and Bengali) and European (English) including thirty seven stories in total. Detailed statistical analyses have been performed by quantifying the texts and presenting them graphically. Non-parametric approaches have been used to test the significant differences among the texts under consideration. It has been shown that there exist significant differences among the writing patterns of these stories written by different authors in both the languages. The run test, confidence bands for empirical distribution functions, Smirnov test and Friedman Test are applied to recognize their writing patterns.

**KEYWORDS:** Confidence Bands, Empirical Distribution Function, Friedman Test, Non-Parametric Tests, Run Test and Smirnov Test