International Journal on Recent Researches In Science, Engineering & Technology
(Division of Computer Science and Engineering)
A Journal Established in early 2000 as National journal and upgraded to International journal in 2013 and is in existence for the last 10 years. It is run by Retired Professors from NIT, Trichy.
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Research Paper
Available online at: www.jrrset.com
Chief Editor : Dr. M.Narayana Rao, Ph.D., Rtd. Professor, NIT, Trichy.

ISSN (Print) : 2347-6729
ISSN (Online) : 2348-310
Volume 3, Issue 4,
April 2015.
JIR IF : 2.54
DIIF IF : 1.46
SJIF IF : 1.329

Enhanced Closed Sequential Pattern Discovery For Text Mining

S.SHANMUGAPRIYA[1]., A.LOGESWARAN[2]., S.S.SARANYA[3]
[1,2]ASSISTANT PROFESSOR / IT , J.K.K.MUNIRAJAH COLLEGE OF TECHNOLOGY
[3]ASSISTANT PROFESSOR / CSE , S.R.M UNIVERSITY

Abstract: Enormous amount of data present in the world leads to quandary in retrieval of the useful information. Various algorithms have been proposed to solve the problem of efficient use and mining of the information based on the keywords, phrases, concept of the information need. Pattern Taxonomy Model, Pattern Deploying Method and Pattern Evolving Methods suffer from the problem of low frequency which misleads the mining of useful information from large databases. To solve these problems, a new approach which uses the synset collection in closed sequential pattern mining with the confidence and length constraints. It mines the frequent closed patterns that contain no super-sequence with the same support and uses the synset collection to reduce the redundancy of synonymic ally similar pattern. It imposes confidence, length constraints to prune the obtained closed sequences to reduce the irrelevant data for mining the useful patterns in large database. Enhanced pattern taxonomy model improves the efficiency and retrieves the relevant information.