Global Encoding Converter

Ramasamy Duraipandi

Ultimate Software Solutions Dindigul. <E-Mail ultimatedgl@yahoo.com>
2/498, Vedathri Nagar, Muthu Nagar, Collectorate Post Dindigul, Tamilnadu

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In today's tamil computing world various encoding schemes are in use though encoding standardization has been completed or in progress. As the volume of data processed yet in various encoding systems is heavy, one can hardly think about migrating from one system of encoding to another. So the need for an encoding converter arises out of this scenario.

But the aforesaid solution has its own limitations. First for every encoding system the software should be redefined to incorporate the new encoding scheme and as many the schemes as many the redesign is enforced.
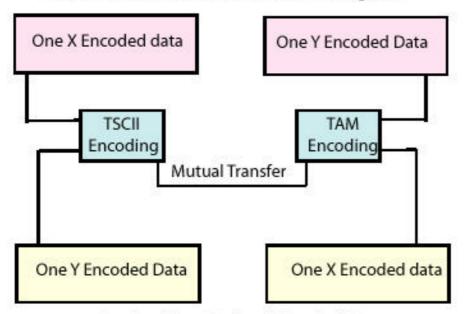
So the paper pours its spot light on this particular limitation and explore the way for better solutions and also provides a freedom to the user to select his own preferred encoding scheme.

Initially it defines two encoding standards as Base-Schemes (B-S). It attaches the TSCII encoding scheme for bilingual conversions and TAM encoding for monolingual conversions. After conversion to a particular base scheme is accomplished, the user if prefers, can again reprocess the resulted base scheme encoded data to his own desired encoding system.

As well the incorporation of the new encoding scheme to the converter engine can also be done by a User Defined Initialization (UDI) method. So unlimited encoding scheme incorporations is possible through this concept and the incorporation of any encoding scheme is made available with out redesigning the converter engine. As the user himself can define the new encoding scheme using UDI the base converter engine don't need any professional up gradations.
The UDI and Base-Scheme logic are the basic algorithms which run the show.

Base-Scheme Converter Engine

One X Encoded data		One Y Encoded Data

TSCII Encoding	Mutual Transfer	TAM Encoding

One Y Encoded Data		One X Encoded data

Resulted User Preferred Encoded Data

Unavailable

X Encoded Layout

Y Encoded Layout