



WIOC Lite A Case Study



Overview

This document presents a case study on the "WIOC Lite" a JavaScript based Indian language Input component developed by Webdunia.

Situation

Indian language input has been the Holy Grail every portal company or Search engine in India is trying to get to. The reasons why it was a much needed facility are listed here:

1. Inadequate Legacy keyboard architecture for Indian Languages: QWERTY keyboard is insufficient to accommodate alphabet of Indian Languages.
2. Learning Curve for Users: Standard keyboard layouts whether Inscript or those inherited from the Typewriter are difficult to learn.
3. Complex enabling and invoking of Input mechanism: Invoking desktop based input systems such as Keyboard drivers requires setup and manual enabling every time you want to type.
4. Non availability of Indic input enabled web components: There were no options of Indic input enabled components for Web Applications.

Solution

Webdunia being a pioneer in the field of providing Indian language content and applications, whether on web or desktop, was also the one to rise to the challenge. Its multilingual mail application included Epatra Phonetic Transliteration tool a Java based applet supporting almost all major languages of India in ASCII based fonts.

With the emergence of Windows XP, 9 Indian language scripts were now recognized by the PC in Unicode. As Unicode won the support of all platforms and especially web browsers, availability of Unicode based Indic input was essential.

In the year 2006, in parallel to the launch of their 9 language portals, Webdunia developed WIOC Lite- a JavaScript based lightweight, Indic input editor. This component being DOM based integrates seamlessly with a web page.



Product

It supports the following languages with Phonetic and Inscript keyboards:

1. Hindi
2. Bengali
3. Tamil
4. Telugu
5. Kannada
6. Malayalam
7. Assamese
8. Marathi
9. Punjabi
10. Gujarati
11. Oriya

Business Benefits

1. This component can be used by Intranet and Internet based applications developed in any of the Web Technologies.
2. Packed with or without the server backend, the component can enable everyone from layman to the expert with Indic input.
3. The open customizability and ease of integration, makes WIOC Lite a solution preferred over many of its competitors.
4. This component is suitable for any type of application and has been used by Webdunia in all their web properties. To name a few:
 - ✓ Blogs- <http://www.mywebdunia.com>
 - ✓ Mail- <http://mail.webdunia.com>
 - ✓ Greetings- <http://greetings.webdunia.com>
 - ✓ Search- <http://search.webdunia.com>
 - ✓ Quest- <http://quest.webdunia.com>
 - ✓ Enterprise Apps- <http://classifieds.webdunia.com>