

Dissemination of Vernacular Content on Agricultural Diseases & Remedies through LCMS Tool “Ekalavya”

Objective

To create a paperless, interactive learning environment for a farmer where he can gather knowledge about Diseases & Remedies in the Forestry, Animal Husbandry and Agricultural domain. In other words, the main aim is to disseminate the above mentioned information in such a way so that it can penetrate the common mass of rural India, most of whom are either illiterate or can read / write in vernacular language only.

Feature / Solution

In India, about 80 per cent people are dependent on agriculture including animal husbandry and forestry. Substantial proportion of population in and around forest derives major income from forest. Animal husbandry including poultry is an integral part of the farming system. Contents on these areas are created for use by the farmers.

The current scope is for the state of Jharkhand. So, content creation and delivery is for 7 languages of Jharkhand namely English, Hindi, Nagpuri, Santhali, Kurukh, Mundari, Ho.

The screenshot displays the Ekalavya Player 2.1 interface. It is divided into several sections:

- Top Left:** A text box with the title "बेलाति बैगा" (Belati Bega) and detailed text in Hindi describing the disease and its treatment. The text includes symptoms like "संसाधित सोनोतो" and "दरु लतर रेया पलाअ को टो-ए एडाय तेया ओन्डो: दरु तुरुब ता: तेया।".
- Top Right:** An image showing three oranges, one of which is cut open to reveal a dark, infected interior, illustrating the disease.
- Bottom Left:** A "Lesson Plan" section with a tree view showing the current position within the course structure. The current item is "मिट रेंट रेया रिनिक्का".
- Bottom Right:** A "Scratch Pad" section with a green background and a text area containing the same text as the top left section.

Technology

Ekalavya is a multimedia based interactive learning tool designed keeping an eye on individuals. Through “Ekalavya” one learns about a subject with pictorial as well as text notations, slide shows and audiovisual presentations. The effective use of this tool heavily depends of the quality of the contents, as often synchronization is needed during the content show between different text, voice and pictorial notations.

Our Achievements So Far

Two computers aided interactive CDs (in Hindi & Ho language) on “Agricultural Diseases and Remedial Measures” were released at a Workshop on “IT-enabled Services for strengthening Research-Extension-Farmer-Market Linkage” on January 7-8, 2011 at BAU, Ranchi.



Centre for Development of Advanced Computing, Kolkata Centre

Plot-E2/1, Block-GP, Sector-V, Salt Lake Electronics Complex, Bidhan Nagar, Kolkata - 700 091

Telephone: 91 33 2357 9846/3581/3950/5989/4258 Fax: 91 33 2357 5141 Website: www.cdac.in