

**Snapshot**

**on**

**ADITI**

**&**

**KAVI2**

**ADITI** -- the Access Switch functions as fixed-mouse device to generate left-click to the computer when the user waves hand or any part of the body above a capacitive sense antenna . After its 2.0 release, it was improved on its functional stability and new outlooks. After two rounds of technical revisions, the mechanicals of the device has been revamped with the help of a Industrial design house. The two designs shown below have been chosen to implement the pilto run for field trials. These will be ready for field trials in December.



**ADITI-Tria**



**ADITI-Beanie**

ADITI has been demonstrated in Vietnam and Indonesia successfully. More samples of ADITI in the new form factor are being shipped to these countries in December. MindTree Foundation's Assistive Technology work was chosen among the finalists for the Manthan Awards this year (2010).

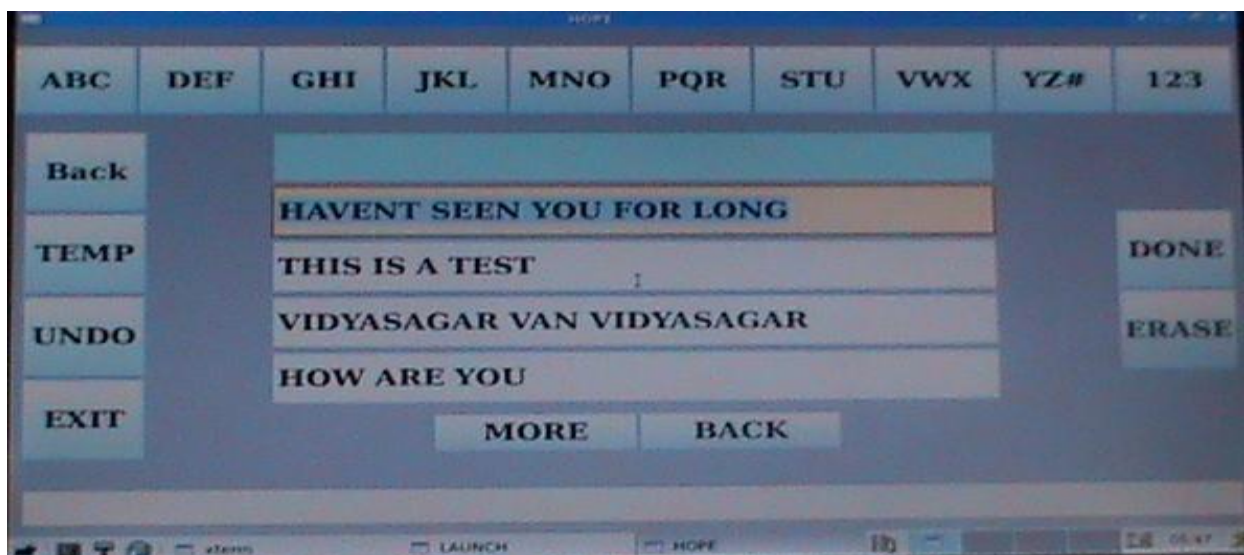
Apart from the above, additional samples of ADITI-Tria and Beanie are planned to be tested in other NGOs to get their feedback for further refinements.

Some of the new features being implemented in the next version will be Mounting accessories for wheel chair users and 3 meter cables for head mounted operation

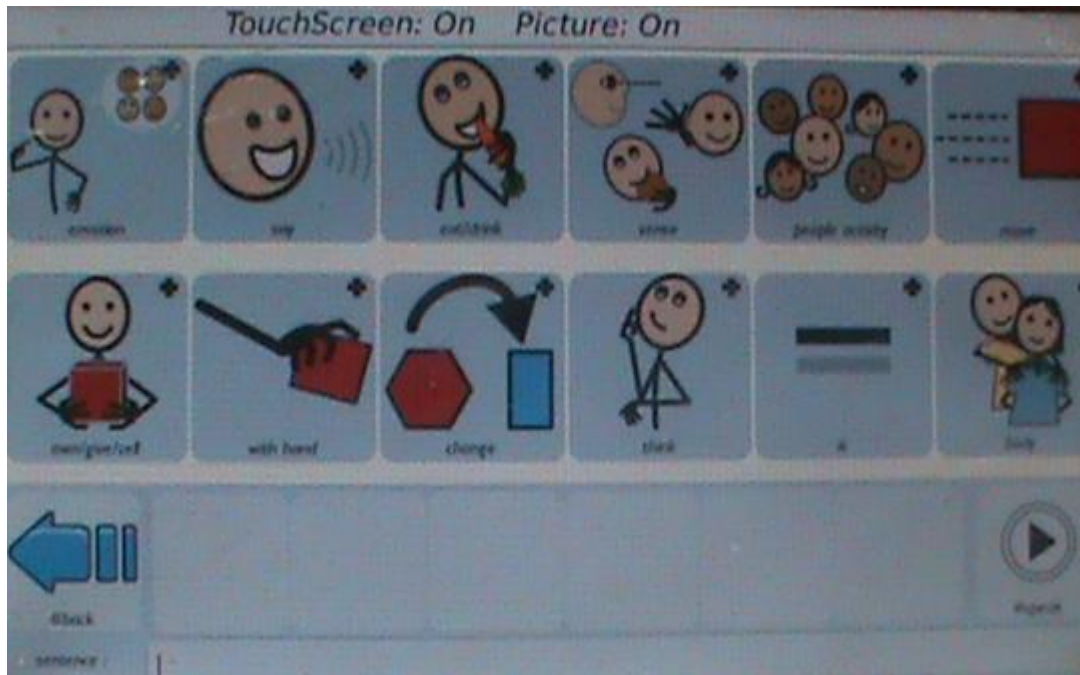
**KAVI2** – the Augmentative & Alternative Communication device functions as text / image to speech device to help people with disabilities to communicate. KAVI2 is evolving in to its next level of apperance, features, and specifications based on the feedback that were collected on the previous prototype versions. This new version is a battery operated device with a 10.2” LCD in the landscape mode, volume and brigtness controls, and a capacitive touch sensor at its bottom. Following is the new concept of KAVI2:



KAVI2, will run two software applications. One is called “HOPE” that helps people with Cerebral Palsy to phrase words and sentences. For every key selected, the user gets a feedback on the head phone as an affirmation. After the user selects the option to speak, KAVI2 speaks out the entire sentence to the listener. Following is a screen-shot of the HOPE application running on the KAVI prototype:



Another application is called “AVAZ” that is used to build words from the activity-image icons displayed on the screen. By choosing the appropriate activity-image icons the user can phrase the words, sentences and then selects the option to speak. Following is a screen-shot of AVAZ application:



Both HOPE and AVAZ support English language at present. It is planned to support Indian languages in the upcoming versions of these applications.

The Mounting accessories are also being designed for KAVI2 so that it can be mounted at any comfortable position to the user in a wheel chair.