

# **WORKSHOP ON ASSISTIVE TECHNOLOGY**

**“WE ARE COMMITTED TO REMOVE DIS FROM YOUR DISABILITIES”**

**From**

**20-07-2011 to 26-07-2011**



**SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN**

Vishnupur, Bhimavaram. W. G. dist. 534204

[www.svecw.edu.in](http://www.svecw.edu.in)



**Sri Vishnu Educational Society** under the Esteemed Guidance of **Sri K. V. Vishnu Raju**, working for the betterment of the society is going ahead fulfilling its Mission and Vision. Being premier Educational Institute with social responsibility and societal commitment, **Shri Vishnu Engineering College for Women**, has taken up an innovative step towards extending its help hand to the physically challenged people. To that effect, an exclusive Research Lab, **"ASSISTIVE TECHNOLOGY LAB"** established in the college with the collaboration of University of Massachusetts (U. Mass), US to design and develop the assistive aids in addition to the existing services.

These are the major goals that we have for our Assistive Technology Lab:

- To give students an intimate understanding of the design process and first-hand experience solving a real-world engineering problem.
- To help students realize that engineering is a profession that helps people and benefits society.
- To further nurture students' interest in science and engineering with the hope of encouraging more students to pursue scientific and technical careers.
- To encourage more teachers to implement engineering design projects as part of the courses they

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## About Workshop

The workshop on Assistive Technology is a very unique project design event that provides the technical students with the opportunity to tackle real-world engineering design problems aimed at helping people with disabilities or special needs.

Working with a Faculty mentor, each team of 6 students must identify an actual "client" who has a need that can be solved by designing or adapting some assistive device.

ATL provides a rich, authentic learning experience for students, one which allows them to really learn and experience the engineering design process, apply their academic skills in a real-world context, and allows them to develop important workplace skills not usually taught in the classroom. Each project team has to brainstorm and analyze alternative design solutions, and justify their chosen design; they must work within a budget, analyze the cost of various design alternatives, and in the end, make a presentation outlining their design work and final solution.

ATL engages students in real service learning, which not only benefits members of their local communities, but also helps students distinguish themselves among their peers when applying to college.



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## Resource Person



Prof. Alan Rux

Prof. Alan Rux is with the Electrical & Computer Engineering, University of Massachusetts, Lowell, USA.

### Expertise:

- Technical Director of Assistive Technology
- Solar Car Team Advisor
- Ham Radio Club Advisor
- Electronics Instructor
- Assistive Technology and Lab Design.

### Donated Products on International Day of Persons with Disabilities -2010 By SVES-Bhimavaram

- E- Stick for visually challenged
- Voice activated wheel chair
- Hand Gripper
- Talking box
- Walking Therapy
- Ball Insertion Pin ball machine