2. **Craftware Sales (CRAFTSA)**

DCCT produces a number of craft objects for sale ([www.dcct.org.za/?q=craftware-catalog](http://www.dcct.org.za/?q=craftware-catalog)). The purpose of this project is to assist DCCT in marketing the products. The craftware business is run from the DCCT centre in Heathfield. The business also has a store of pre-made stock.

They produce a wide range of products listed in the catalogue. All products are hand-made and customisable — that is, you can have your name and a motif of your choosing printed on your chosen product. Your system needs to cater for this customization.

In general you cannot use preconceived ideas and you will need to design to suit the business process of the Craftware ladies. You will therefore adopt a method we have called community-based co-design.

“Community-Based” conveys the fact that we deal with groups of people rather than individuals. We have develop ways of entering into design conversations with people who do not have technical skills but who are knowledgeable on their own needs and especially how their own communities operate. “Co-design” derives from the application of the action research paradigm in a design setting: both the computer experts and the community members are designers on an equal footing and work cooperatively.

This is a large project that will require 3–4 people who will have to work closely with the staff of DCCT in this community-based co-design project. You will acquire this knowledge, the equivalent of small honours module, by doing the project. It won’t be hard but it will require a flexible mindset. This project will require regular visits to DCCT in Heathfield.

3. **Video Editing and Upload Tool (VIDEDUP)**

DCCT captures many of their events on video using a high quality video camera. There is a requirement to archive the videos with suitable metadata and also to extract and edit clips and possibly add subtitles (for those of us who are not fluent in SASL), as well as transcoding them to compressed web friendly formats. The recorded SASL videos can be edited to remove the audio channel to reduce video file size. The resulting videos can be encoded using the H.264 video codec with a frame size of 640 x 480 pixels and a frame rate of 25 frames per second as per the ITU requirements. These clips should be added to the existing website. You can see that the current website largely has static images ([www.dcct.org.za/?q=gallery-page](http://www.dcct.org.za/?q=gallery-page)).

This is a project requiring two people who should have video editing and web development skills (or be willing to acquire them by July). You will be working with the DCCT system administrator as well as Ms Glaser.

A kids bag and a baby bag with custom motifs.