







Highspeed Interactive Video Ecstasy

Swarm Members

-  Queen BEE* - Laura Miller – Team Lead
-  Pops BEE* - Charles Notley – Second in Command
-  BEEfcake* - Andreas Binnewies
-  Killer BEE* - Ryan Cormier

Master Plan

Portable Video Player

- ⊕ MPEG-2 Decoder
- ⊕ USB 2.0 compatible as a host
 - ⊕ Read FAT-32 off of USB 2.0 mass storage device
- ⊕ NTSC (Television) compatible outputs
- ⊕ Runs Embedded Linux 2.x on an ARM Processor
- ⊕ Use CPLDs
- ⊕ Compact Flash for OS ROM
- ⊕ Stereo Out for sound
- ⊕ Optional: VGA Controller and/or LCD
- ⊕ Optional: IDE Hard drive

Missions Accomplished

- ⊕ Have Philips SAA7216HS/C1 MPEG-2 Decoder
- ⊕ Have Fujitsu MB811171622A SRAM for the Decoder
- ⊕ Ordered USB Controller
- ⊕ Ordered Sharp LH79520 ARM720T Core Processor
- ⊕ Picked out Altera CPLD
- ⊕ Created a Gant Chart and set milestones in Microsoft Project
- ⊕ Created top level design for project
- ⊕ Have bi-weekly meetings
- ⊕ Had group field day to HSC and Weird Stuff in San Jose ending in a night out at the bar
- ⊕ Got Orcad
- ⊕ Got USB Books
- ⊕ Researching porting Embedded Linux to our ARM processor

*B.E.E. – Baskin's Excellent Engineers