First short presentation

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Hardware Specification

- Gumstix Verdex motherboard
  - Speed: 400MHz
  - 64MB RAM
  - 12MB FLASH

- Console-ST
  - Adds two serial ports and USB port

- WIFISTIX
  - 802.11(b) and 802.11(g)
  - Channels 1-13
What we have done in the last weeks:

• Installing Linux and learning the basics of working with Linux

• Configuring the USB-Network

• Flashing the Gumstix with the newest buildroot release (added usefull paketes like TCPDump and driver for WIFISTX)

• Setting up/testing wireless LAN in Ad-hoc Mode

• Install the Buildroot Crosscompilation Software on the Laptop
Idea of Wolf Pack

Background from the nature:

- Wolf Pack
- One Alpha Wolf
- All other follow the alpha animal
Motivation

sector of the economy:

• Cheaper transportation of goods through land, air and water

military use:

• safe of money and human life
Setup
Referencelist:

- Our supervising tutor Chia Ching Ooi
- Prof. Schindelhauer - Mobile Ad Hoc Networks
- http://docwiki.gumstix.org/
- Ram Ramanathan, Jason Redi. A Brief Overview of Ad Hoc Networks: Challenges and Directions
- Imrich Chlamtac, Marco Conti, Jennifer J.-N. Liu, Mobile Ad Hoc Networking: Imperatives and Challenges, in Ad Hoc Networks
- Wolfgang Kiess, Martin Mauve, A Survey on Real-World Implementations of Mobile Ad-Hoc Networks, in Ad Hoc Networks
Thanks for your attention

Have a nice day