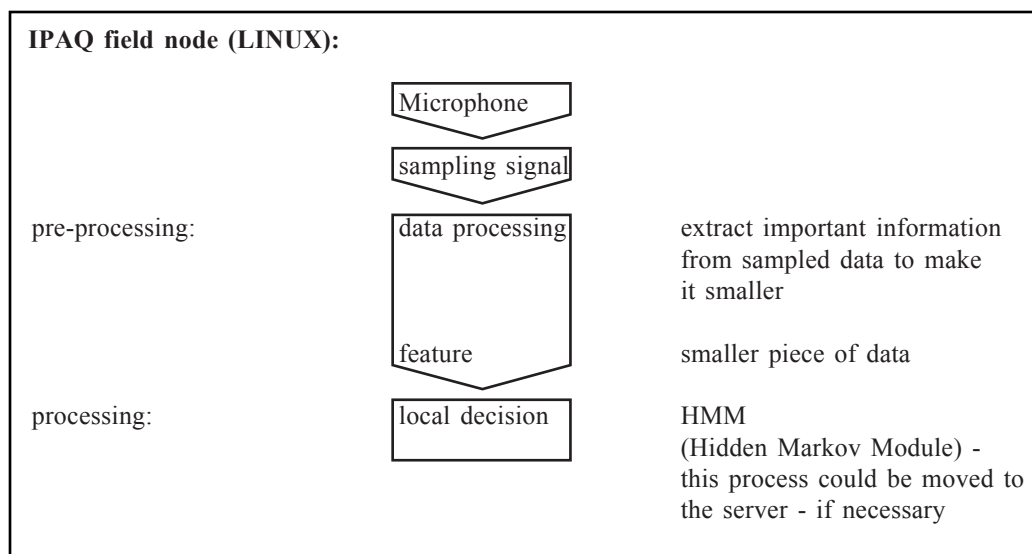


Poly-sensing environment

Summary of Meeting, August 21, 2002 and presentation of ideas (1)

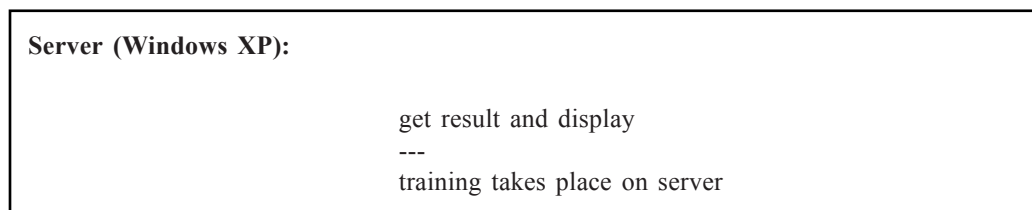
- Shenglin works on implementation of the speech recognition software on the IPAQ and the wireless communication between IPAQ and Server
- together with Shenglin I sketched out the current flow of data again (for my own reference, cf. "Work That Has Been Done" text+sketch in Shenglin's Paper from 07/29/02):



result

w i r e l e s s n e t w o r k

command



command, e.g.:

- only field nodes close to the sound emitter continue to work
- training data from the server (module) is send to field node
- Shenglin points out that the IPAQ is just for prototyping, later on (also for multiple field nodes) a cheaper solution has to be found
- instead of only getting the result of the speech recognition on the server (e.g. "opentdoor") in a text file, it is also possible to get the amplitude of the audio signal (e.g. as an average over 10ms) as integer value