

Weekly Report 08

I-CEE (Group 8)



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VIBRO-I

Due Date:

11.12.2007

Past Week's Accomplishments:

☞ We mostly relied on the feedback we received during our preliminary presentation during past weeks' tasks:

- Bülent Özgüç of CS department claimed during our preliminary presentation that implementation with camera is a very difficult task and suggested that we would first consider implementation with sensors and if that implementation succeeded, we would try the camera version. Upon this comment, we asked Tarık Reyhan (who in first place has proposed camera alternative) for a change in implementation during the presentation but he insisted that we should stick to camera implementation.
- Bülent Özgüç also suggested that we should find another solution for the design of the product since it would be messy (especially too messy for visually impaired) with lots of cables from microprocessor board and camera located on waist to both wrist bands on wrists. Since from the first proposed design of our product (with sensors) there has been this issue and it has been a strict feature which makes our product a working one without any alternatives (wireless alternative is agreed to be just too much for this project), we said it does not have any alternative unfortunately.
- Necessary search for determining suitable programming language for the implementation was done. Search was done by keeping in mind

that another solution would be considered like buying special image processing software. The mentioned alternative solution for implementation of image processing was proposed by Bülent Özgüç.

- ☞ According to the feedback we have received, components we already have were being assessed again. Search which has been carried on by EE members of the team for the ordering of the ultimate parts has also been altered in criteria aspect in order to keep up with recent suggestions.
- ☞ Business plan is also finished and handed.

Next Week's Planned Activities:

- ☞ We hope to finalize ordering process by next week: We are still searching for more suitable components to be fit to our design. For example, we still could not succeed to find a suitable camera which has small size (small enough to fit in the waist belt) and image processing capability (the image processing is said to be capable of not only determining steady objects since we try to implement a visual solution for moving people! so image processing should be capable of detecting moving objects, it is why we said in the past weeks' weekly reports that we should consult Enis Çetin of EE department since detecting moving objects requires signal processing) at the same time. Since processor board heavily depends on the camera, we also cannot be able to find a suitable processor board at the moment. Having told these issues, we will do necessary consulting and search and hopefully ordering by next week.
- ☞ Since implementation with camera demands much more work beyond our knowledge, we are also considering implementation with sensors at the same time and have been doing considerable amount of search for necessary components needed in this implementation. Necessary information needed for ordering of components needed in this implementation is almost sufficient at the moment and we also plan to order this type of components by next week.