MEETING REPORT FOR RESEARCH PROJECT NUMBER RES560530261-AS ON APRIL 9TH 2014, 13.00-15.00.

1. Attendants
   1.1 Assoc. Prof. Dr.Pichayada Katemake
   1.2 Dr.Eng.Preda Ion Preda
   1.3 Dr.Thananchai Piroonpant
   1.4 Dr.Noppadon Khiripet
   1.5 Dr.Thitiporn Chanwimaluang
   1.6 Mr.Anukul Radsamrong
2. Meeting location: Knowledge Elicitation and Archiving Laboratory, Intelligent Informatics Research Unit
3. Topic: การประยุกต์ผลจากงานวิจัยเกี่ยวกับการมองเห็นของผู้สูงอายุเข้ากับสภาวะจริง (Application of research results of vision in the elderly to the real environment)
4. Objective
   It has to be determined if the data collected for the elderly from past experiments using cataract simulated goggles can be applied in real environment and for real elderly.
5. Summary

   It was established that a living space for the elderly will be made at reduced scale for experimental purposes. The space, having a surface of 28 sqm will be located in one facility of the Colour Science Research Unit. This living space will be composed of: living room, working area, shower room, food shelf+kitchen counter. Data of threshold for luminance contrast of texts an LCD screen obtained by using simulated cataract google and other data obtained in previous experiments by Dr.Katemake were mentioned to the attendances. Participants at the meeting expressed their ideas based on a layout generated as 3D view by a designer. The following ideas were retained as being the most important:

   5.1 Living areas in the experimental living space should be delimited by different type of floor-textures rather than walls due to space limits;
   5.2 Light environment should be adaptable to tested subject depending on the subject's vision pattern and type of living space area;
   5.3 Environmental control should be operated by interconnected Kinect systems;
   5.4 Optimal spectral power distribution of light for elderly vision should be obtained using lamps with variable CCT or by controlling the intensities of multiple light sources through a sensor array.
   Three tasks were established during the meeting.
   1. Testing the Kinect system. Responsible for this task: Dr.Thananchai Piroonpan.
   2. Interconnecting the Kinect system. Responsible for this task: Dr. Thitiporn Chanwimaluang.
   3. Data collection for the elderly vision on individual subjects. Responsible to this task: Dr.Pichayada Katemake.
5. Conclusions.
   It was concluded that the prototype for the experimental space should be named smart room-environment for the elderly. The time for finalizing the first physical layout of this space was established to 1 month. Further meeting are necessary for discussing materials, control systems and lighting in detail.