



COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL ENGINEERING
UNIVERSITY OF NORTH TEXAS, DENTON TX 76203

24 Oct 16

MEMORANDUM FOR RECORD

FROM: CHRISTOPHER ASKINGS
FORREST GATES
NATHAN RUPRECHT

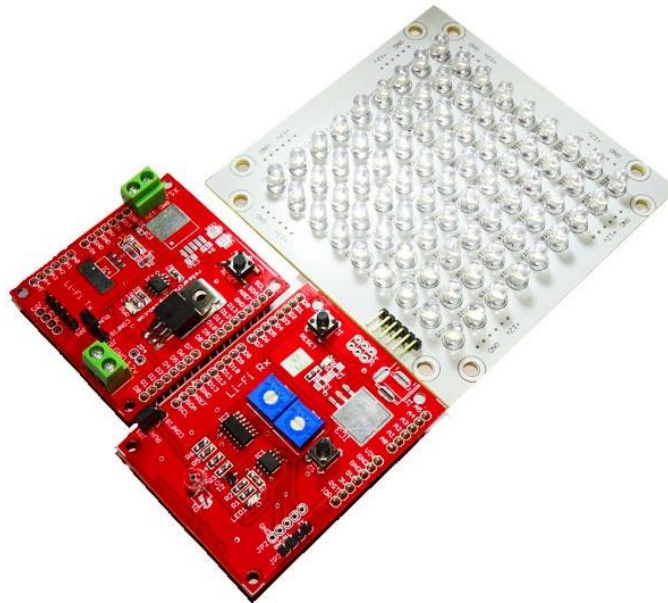
SUBJECT: LiMoST-Net Progress - Week 3 and 4

1. The purpose of this memorandum is to report our progress in accordance with our predetermined schedule.
2. The specific purpose of this memorandum is to review the objectives of week 1 and what we have accomplished.
3. Over the course of the week, we went off on our own time to accomplish what we could for the projected goals, then came back together to consolidate our efforts. This utilized our free time since our schedules usually conflict. We worked based off of the Week 3 Schedule:

<i>Week</i>	<i>Date</i>	<i>Projected Goals</i>	<i>Comments</i>
3	10/9/16	Research: Look into development kits for VLC on the market	Get a dev kit to test and work with so more of our project can be spent on analyzing instead of building our own

Dev Kit 1:

<https://researchdesignlab.com/li-fi-visible-light-communication.html>

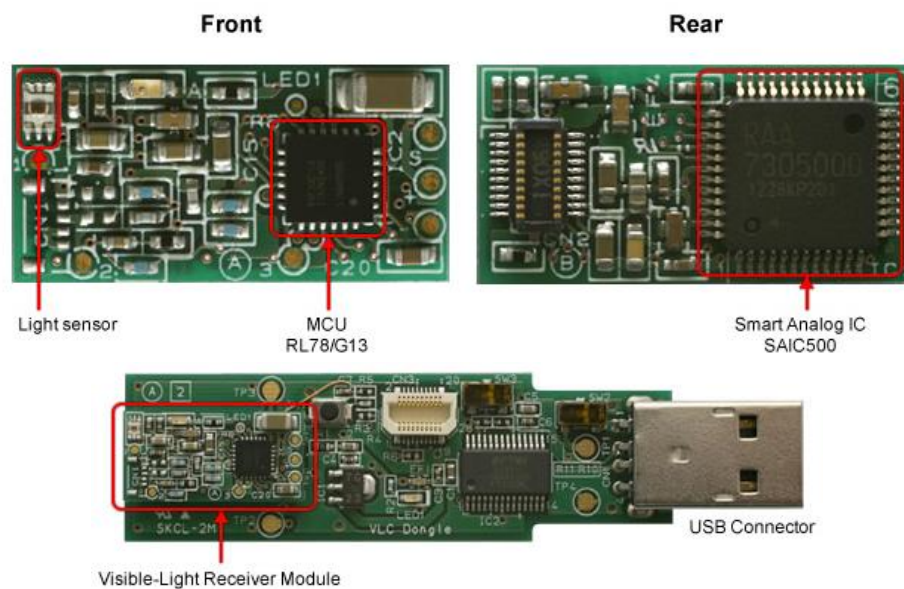


Costs \$83.65

Website shows layout and demo videos. Uses Arduino

Dev Kit 2:

<https://www.renesas.com/en-us/about/web-magazine/edge/solution/10-visible-light-communication.html>



Costs unavailable. Contacted company but this kit is unavailable for academia purposes. They're looking into giving us a schematic file that we can work off of.

Dev Kit 3:

http://www.naka-lab.jp/product/kit_e.html



Costs >\$500

Website says doesn't include source code or schematic diagram. Uses C.

4. We also found a website about a company in Japan and their prototype for VLC. Website link is:

http://www.yuden.co.jp/ut/solutions/visible_light/outlin

5. We also found a pdf file of another student's' project where they built their own development kit and a report on their findings. The file is saved to our References folder as "Research - Previous Proj on VLC."

6. If you have any questions, comments, or concerns, please feel free to contact us at:

- Chris Askings: (817) 367 – 8273 or via email at chrisaskings@gmail.com
- Forrest Gates: (979) 733 – 2454 or via email at forrestgates2016@gmail.com
- Nathan Ruprecht: (903) 268– 9600 or via email at nathan.ruprecht@outlook.com.

//SIGNED//
CHRISTOPHER ASKINGS
UNT – BSEENG Student

//SIGNED//
FORREST GATES
UNT – BSEENG Student

//SIGNED//
NATHAN RUPRECHT
UNT – BSEENG Student

1 Attachment:
Documentation

Documentation:

All materials can be found on the shared Google drive at:

<https://drive.google.com/drive/folders/0By7y3FFBUvR4SVNmVHlfZjVmZ0U>

Articles in “References” folder used in this week’s report:

Research – Previous Proj on VLC