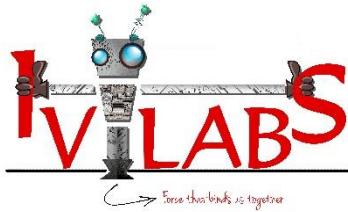


5th June, 2016
12:15pm-2:00pm IST



MINUTES OF MEETING

- Use slack for communication. You can search data from discussions that took place years back. Nothing is lost.
- Trust numbers.
- Do not blindly believe what others say. Try to replicate the conditions and test for yourself.
- If you know what the problem is you have the solution. Find out what's the problem.
- As far as possible, try to solve the problem by improving/altering your hardware rather than correcting the same through software.
- Parallelise all your tasks and share your learning with everyone. Document everything properly: What problems you faced? How you tackled them?
- Every person has to have some task for the week. Keep a note of who is doing what?
- Never get obsessed with your idea, it's always about what the world needs.
- SolidWorks, Circuit designing, knowing how to write Modular Tested Code and a little bit of knowledge of the Manufacturing process is all you need to know if you want to start a start-up related to Robotics.

Action Items:

Humanoid Team:

- Circuit's board file and ordering of components.(Shalini)

Robosot Team:

- Setup wiki on Gitlab.
- Localisation using on-board camera.
- Get familiar with gpu enviroment.
- Architecture design.
- Comparison with ground truth.

Each person's responsibility/task for the week:

Aniket + Adil:

- 1)Sensitivity estimate of camera: (pixel error corresponds to how much world error?)
- 2)Calculate extrinsic matrix std. deviation from Jacobian and improve it if possible.

Swapnil:

- 1)Design the architecture.
- 2)Repair/Replace motor driver and bring the bot in working condition.

Radha:

- 1)Setup wiki on Gitlab.

- 2) Find out the effects of rolling shutter, motion blur with suitable camera of higher frame rate, decide which camera to use finally, order it.
- 3) Reduce blurring effect. (one algo.)

Surabhi:

- 1) Reduce blurring effect. (another algo.)
- 2) Design controller.

Kartik:

- 1) Get familiar with GPU environment.