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.