#### Result

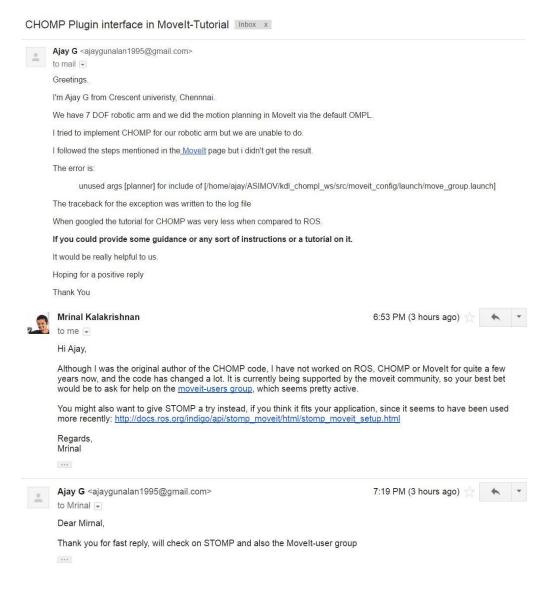
Successfully did motion planning with OMPL and KDL

### **Other Kinematic solvers**

I was able to add Track IK instead of KDL by modifying kinematics.yaml but, I didn't find anything different in result, both did same.

### **Other Motion Planning Library**

- I followed Movelt tutorial guideline but it needs Kinect distros (latest version of ROS) for Interfacing CHOMPL and other Libraries.
- I had installed Kinect long back but, due to few reason, I deleted it and now I have Indigo only.
- Yet I tried to do it but there was error and so I googled and found very few resource and I have mailed few people who worked with CHOMPL originally.
- One of them is Mirnal Krishnan who is Robotics Engineer at Google.
- Here is screenshot of the mail



# Why I mailed on 24th Mon April 2017?

I had two options:

1. Either to finish all the task perfectly and mail before deadline

Or

2. To do the basic's which I knew already and mail it earlier so as get additional marks on time.

I have chosen option two because **tutorial** on Motion Planning and performance comparison of various kinematic solvers are **very very less in Internet**, so I thought its's better to send the earliest.

## My workflow

Date	Day	Work did
21/04/2017	Friday	googled about various things in mail like doxygen, chompl, et
22/04/2017	Saturday	Researched about motion planning algorithm and finished my documentation
23/04/2017	Sunday	<ol> <li>Researched about Kinematic Solver and finished my documentation</li> <li>Simulated with KDL+OMPL</li> <li>Simulated with Track IK +OMPL</li> </ol>
24/04/2017	Monday	<ol> <li>Tried to do simulation with other Motion planning library but lote of error</li> <li>Googled a lot only to find no tutorial! </li> <li>Found few people who worked with various libraraies</li> <li>Mailed them</li> </ol>