

Meeting report n° 5

Attendance

Veera Panchakarla
 Eswara Prasad Orupula
 Amareshwara prasad Chunduru
 Aoyu Sun
 Bin Wu
 Ramesh babu

Absent

None

Agenda

Topics that are discussed

- Calculating the optimal mass
- Calculating the optimal gear rAtio
- Mat lab
- Simulink
- Meeting Reports

Approval

Task list and follow up

Assignment	responsible	Team member s	Due date	Finishe d (Y/N)	Actual workload (h)
Calculating Optimal gear ratio	Amareshwar prasad and Eswara Prasad Orupula	Team	03 march	Y	5 Hours
Calculations for the optimal mass	rameshand Eswara Prasad Orupula	Team	03 march	Y	4 Hours
Simulink	Bin Wu & veera	Team	03 march	Y	4 Hours
Mat lab simulation	Bin Wu and Ayou Son	Team	03 march	Y	4 Hours
Meeting report 4	Ramesh Babu Yeedu	Team	03 march	Y	1Hours
Blog and meeting reports	veera	Team	03 march	Y	1 Hours

Agenda discussion

It is the week 5 of the project, so in this week we are mainly focused on the design of the solar car

➤ Last meeting report

This is the 5th meeting report

➤ Assignments:

In this meeting we all discussed on the values what we have obtained for the optimal gear ratio, we stuck up lot of time in handling with the Mat lab and we got lot of errors while we are substituting the values of i_r , i_s , i_{sc} , v_{oc} , and then we discussed our doubts with our team coach and also we had done bisection method first time on the paper, and eventually our coach gave us one more extra week time to solve the equations using mat lab and we also used Simulink for simulation, but we finally fixed our deadline to complete the total SSV part-1 complete work by the sixth week dated 20-03-2014, along with final report

- Optimal gear ratio at given power for at least 10 combinations of gears,
- Optimal mass of SSV that has to be taken for effective launching of the ball,
- Final velocity attained by the SSV and the maximum height the ball would reach
- Simulations using Matlab and Simulink
- Making report for all these calculations and updating the wiki page.

➤ Literature Study

The Literature study was planned during the meeting, the tasks are listed in the task list. All the necessary reports, print outs and summaries will be completed for each of the tasks, by the people that are assigned to it.

➤ Miscellany :

none

Future Meeting:

The next meeting will be on Thursday 19/03/2014 next week at 10:00 AM in Cafeteria.