

# AEROBOTICS

<b>TEAM NAME</b>		
<b>PRIMARY CONTACT</b>	<b>Name</b>	
	<b>Phone No.</b>	
	<b>e-mail id</b>	
<b>SECONDARY CONTACT</b>	<b>Name</b>	
	<b>Phone No.</b>	
	<b>e-mail id</b>	

<b>TEAM DETAILS*</b>			
<b>S. No.</b>	<b>Name</b>	<b>College, Location</b>	<b>Branch &amp; Year of Study</b>
1			
2			
3			
4			
5			
6			

\*It is not compulsory to have 6 members in a team. Corresponding fields can be left blank. The maximum number of team members cannot exceed 6.

**1) A brief description of Aerobot's construction. Also mention what material are you using for the body? What is the approximate weight of the vehicle along with the electronics? ( Max allowed weight of the hovercraft along with all systems is 1.5 kg)**

<Write here>

**2) Which motors are you using for**

**(i)Thrust.**

<Write here>

**(ii)Manoeuvring (moving forward, rotation)**

<Write here>

**3) Brief description of the manoeuvring mechanism of the Aerobot(hovercraft)?**

<Write here>

**4) Which battery are you using and its specifications (Volts, Ampere-hours)?**

<Write here>

**5) List the sensors and where they will be used.**

<Write here>

**6) Which processor/microcontroller/logic gates are you using?**

<Write here>

**7) Brief description of algorithm to complete various tasks?**

<Write here>

**8) Describe how you are implementing wireless manual control?**

<Write here>

**9) A detailed drawing of your design of the aerobot, showing the placement of various components.**

<Write here>

**10) Pictures/You-Tube link of current status of Aerobot (Teams inserting pictures and uploading videos on youtube would be preferred)**

<Write here>

**11) Anything else you want to write about your design/Aerobot**

<Write here>

## RULES & REGULATIONS

- 1) No field is to be left blank (Questions 10 and 11 are optional and can be left blank).
- 2) All TDPs to be submitted in .pdf format only.
- 3) File to be named as “teamname\_aerobotics.pdf” e.g. “xyz\_aerobotics.pdf”.
- 4) Only one TDP submission per team.

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- 5) A team will not be allowed to participate if the Aerobot is different from the design described in the TDP.
  - 6) Last date for TDP submission is 30/10/2014 by 11:59 p.m.
  - 7) TDP has to be mailed to [aerobotics@shaastra.org](mailto:aerobotics@shaastra.org) with the subject “teamname\_TDP” e.g. “xyz\_TDP” with the file name “teamname\_aerobotics.pdf” e.g. “xyz\_aerobotics.pdf”.
  - 8) Coordinators have the right to select and reject any TDP.
  - 9) If selected in the TDP round, team members can be changed only after intimating the coordinators in advance.
  - 10) Decision of coordinators is final and binding on all participants in case of discrepancies.
  - 11) All queries to be mailed to [aerobotics@shaastra.org](mailto:aerobotics@shaastra.org)