AEROBOTICS

TEAM NAME		
PRIMARY CONTACT	Name	
	Phone No.	
	e-mail id	
SECONDARY CONTACT	Name	
	Phone No.	
	e-mail id	

TEAM DETAILS*			
S. No.	Name	College, Location	Branch & Year of Study
1			
2			
3			
4			
5			
6			

***It is <u>not compulsory</u> 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.**

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 26/10/2014 by 11:59 p.m.**

7) **TDP has to be mailed to 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**