**AEROBOTICS**

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

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| **TEAM DETAILS\*** | | | |
| **S. No.** | **Name** | **College, Location** | **Branch & Year of Study** |
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**\*It is not compulsory to have 5 members in a team. Corresponding fields can be left blank. The maximum number of team members cannot exceed 5.**

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| **1) A brief description of Aerobot’s(both hovercraft and glider) 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 , Teams have to make their own launching mechanism for glider )**  <Write here> |

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| **2) Which motors are you using for**  **(i)Thrust.**  <Write here>  **(ii)Manoeuvring (moving forward, rotation)**  <Write here> |

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| **3) Brief description of the manoeuvring mechanism of the Aerobot(hovercraft)?**  <Write here> |

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| **4) Which battery are you using and its specifications (Volts, Ampere-hours)?**  <Write here> |

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| **5) List the sensors and where they will be used.**  <Write here> |

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| **6) Which processor/microcontroller/logic gates are you using?**  <Write here> |

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| **7) Brief description of algorithm to complete various tasks?**  <Write here> |

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| **8) Describe how you are implementing wireless manual control?**  <Write here> |

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| **9) A detailed drawing of your design of the aerobot(both hovercraft and glider), showing the placement of various components.**  <Write here> |

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| **10) Pictures/You-Tube link of current status of Aerobot(both hovercraft and glider)? (Teams inserting pictures and uploading videos on youtube would be preferred)**  <Write here> |

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| **11) Anything else you want to write about your design/Aerobot(both hovercraft and glider)**  <Write here> |

**RULES & REGULATIONS**

1. **No field is to be left blank (Questions 10 and 11 which 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 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)